



U.S. Department of Transportation

National Highway Traffic Safety Administration

Dear Crash Data Researchers/Users:

Thank you for choosing crash data from the National Highway Traffic Safety Administration (NHTSA) for your research or other use. The information contained in this motor vehicle crash report is collected, maintained and distributed in accordance with Public Law 89-564. In accordance with this Public Law, NHTSA is required not to release any case information until completion of quality control procedures. These procedures include a review of the case material to extract all names, licenses and registration numbers, non-coded interview material, non-research related researcher comments in the margins, non-factual data, and the production number portion of the vehicle identification number (VIN).

If you requested NHTSA to query its database files in order to identify a specific crash, then that query was made using non-personal descriptors you provided for use in our search. This motor vehicle crash may have been identified from a data search and matches the general, non-personal descriptors you provided, but we cannot confirm that this is the specific crash report you requested.

If you have any questions with regard to the above procedures, please contact the Field Operations Branch, Crash Investigation Division, National Center for Statistics and Analysis at 202-366-4820. Again, please be advised that we cannot confirm that this is the case that you have specifically requested nor can we certify the information to be correct.

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CASE SUMMARY

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

PSU <u>74</u>	CASE	NO.	195
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TYPE OF ACCIDENT Minivan-Car/Angle collision

A. DESCRIPTION OF THE ACCIDENT SEQUENCE AND ACCIDENT PECULIARITIES

(Provide a summary of the accident sequence as well as any particular event of the accident that is noteworthy. Injury mechanism and vehicle crashworthiness is the focus, not driver culpability. Do not include any personal identifiers.)

See Attached

	Class	:		ere Damage nicle Inspection	
Vehicle No.	of Year/Make/Model Vehicle	Damage Plane	Severity Description	Component Failure	
					,

DO NOT SANITIZE THIS FORM

			C. PE	RSON PROFIL	.E(S)	6	
Vehicle	Person	Seat	Restraint			Severe TED BY	Injury . ZONE CENTER)
No.	Role	Position	Use	Body Region	Injury Type	AIS	Injury Source
			,				·
			·		'		• ·
							·
							,

Body Region

Abdomen Ankle-foot Arm (upper)

Back-thoracolumbar spine

Brain Chest Ears Eye Elbow Face

Forearm Head—skull Heart

Kidneys Knee Leg (lower) Liver

Lower limbs(s) (whole or unknown part)

Mouth

Neck-cervical spine

Nose

Pelvic-hip

Pulmonary - lungs

Shoulder Spleen Thigh

Thyroid, other endocrine gland Upper limb(s) (whole or unknown

part)
Vertebrae
Whole body
Wrist—hand

Injury Type

Abrasion Amputation Avulsion Burn Concussion Contusion Crush

Detachment, separation

Dislocation

Fracture

Fracture and dislocation

Laceration Other

Perforation, puncture

Rupture Sprain Strain

Total severance, transection

Unknown

Abbreviated Injury Scale

(1) Minor injury

(2) Moderate injury

(3) Serious injury

(4) Severe injury

(5) Critical injury

(6) Maximum (untreatable)

(7) Injured, unknown severity

PSU74

01

1996 Case Summary Form

CASE 195J

TYPE OF ACCIDENT: CAR-CAR/ANGLE COLLISION

A. DESCRIPTION OF THE ACCIDENT SEQUENCE AND ACCIDENT PECULIARITIES

VEHICLE 1 WAS HEADED EAST ON A FIVE LANE DIVIDED STREET. VEHICLE 2 WAS

HEADED NORTH ON A UNDIVIDED TWO WAY STREET. DUE TO CONSTRUCTION, VEHICLE 2

WAS TRAVELLING NORTH ON A SOUTHBOUND LANE. AS VEHICLE 2 ENTERED THE

INTERSECTION, IT WAS STRUCK ON THE LEFT SIDE BY THE FRONT OF VEHICLE 1.

BOTH VEHICLES WERE HEADED NORTH AFTER THE ACCIDENT. BOTH VEHICLES WERE TOWED

DUE TO DAMAGE. THE DRIVER OF VEHICLE 2 AND THE PASSENGER OF VEHICLE 1 WERE

INJURED IN THE ACCIDENT. A CHILD IN THE PASSENGER SEAT OF VEHICLE 1 RECEIVED

SERIOUS INJURIES FROM THE AIRBAG.

1996 Case Summary Form

PSU74 CASE 195J

TYPE OF ACCIDENT: CAR-CAR/ANGLE COLLISION

B. VEHICLE PROFILE(S)

٧				Damage Based Inspection		
e h. No	Class of Vehicle	Year/Make/ Model	Damage Plane	Severity Descr.	Component Failure	
1.	VAN	95/PLY/VOYAGER	FRONT	MINOR	NONE	
2 01	SUB COMPACT	90/EAGLE/TALON	LEFT	MINOR	NONE	

PSU74

1996 Case Summary Form

CASE 195J

TYPE OF ACCIDENT: CAR-CAR/ANGLE COLLISION

C. PERSON PROFILE(S)

Most Severe Injury (TO BE COMPLETED BY ZONE CENTER)

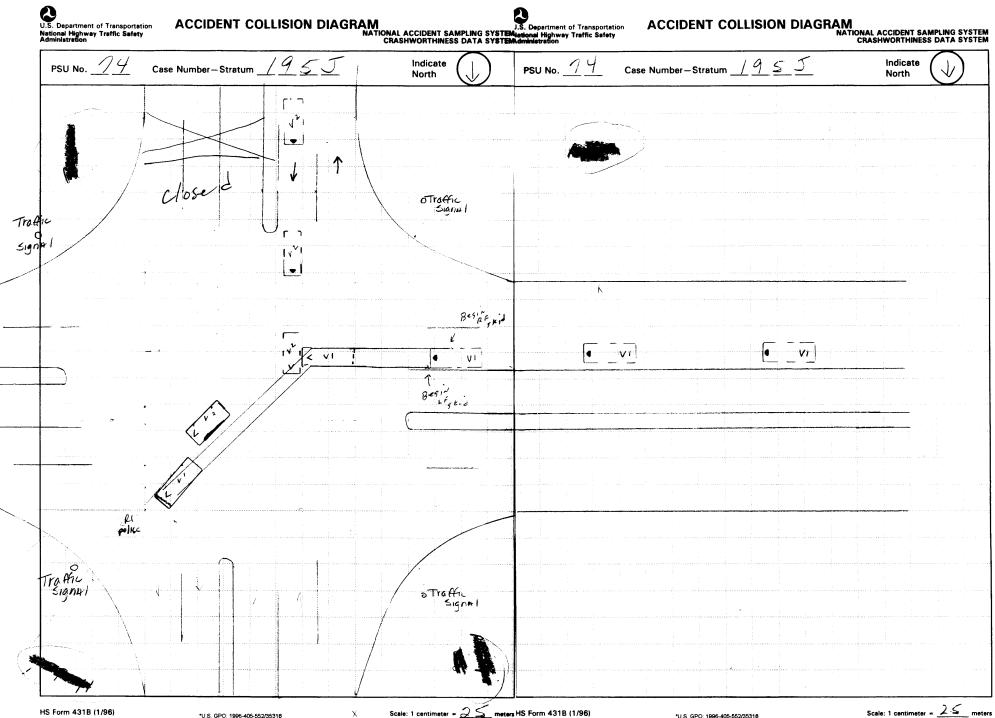
V e h. No	Person Role	Seat Positon	Restraint Use	Body Region	A Injury I Type S	Injury Source
1	DRIVER	L. FRONT	AIRBAG	ARM	FRACTURE 2 LEF	Γ A PILLAR
1	PASS.	R. FRONT	AIRBAG	SPINE	DISLOCATION 6 AIR	R BAG
2	DRIVER	L. FRONT	L & S	SCALP	CONTUSION 1 ROOF	SIDE RAIL

U.S. Department of Transportation National Highway Traffic Safety

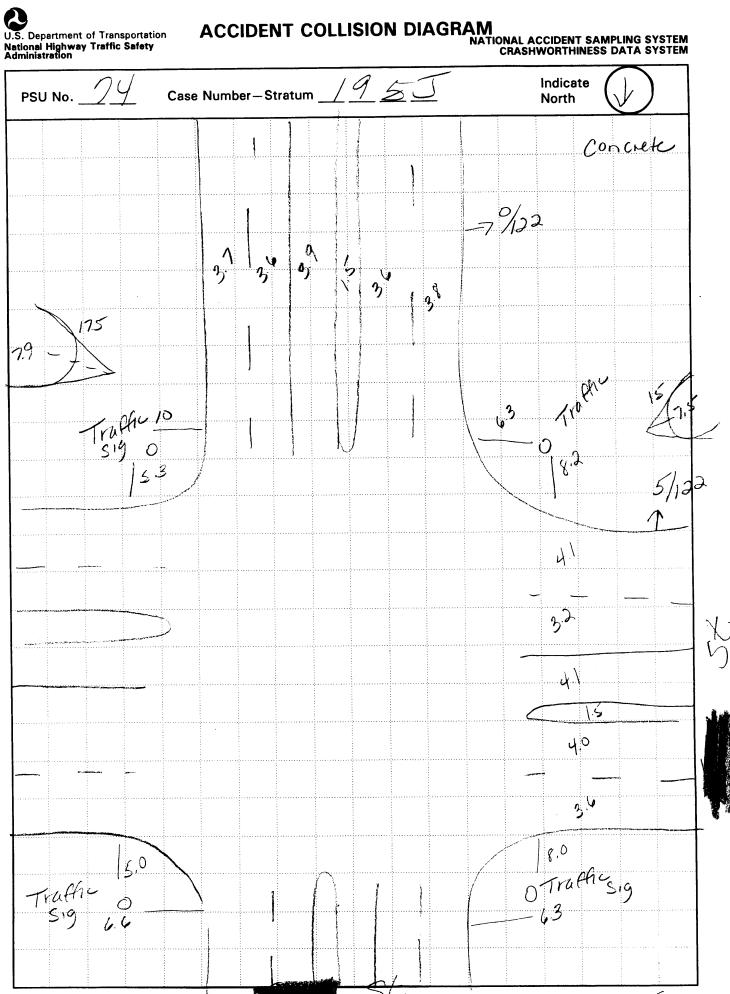
ACCIDENT COLLISION MEASUREMENT TABLE

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

Administration			<u>c</u>	RASHWORTHINESS DATA SYSTEM
Primary Sampling Unit Number	4	Case N	umber – Sti	ratum <u> </u>
ACCIDENT COL	LISION DIAGRAM			
Document the physical plant:	Document vehicle	dynamics including:		CRASH DATA
 all road/roadway delineation (e.g., curbs/edge lines, lane markings, median markings, pavement markings, perked vehicles, poles, signs, etc.) all traffic controls (e.g., signs/signals, etc.) north arrow placed on diagram roadway surface type and condition of applicable roadways grade measurements for all applicable roadways and at location of rollover initiation roadway curvature (include measurement of precrash superelevation for each vehicle if applicable) 	* scaled docume induced physic * scaled docume objects contact * scaled represer pre-impact, impupon either: a) physical	ntation of all roadside	Heading Angle Surface Type Concrete Surface Condition Coefficient of Friction Grade (v/h) Measurement (between impact and final rest) Grade (v/h) Measurement (at location of rollover initiation) Grade (v/h) Measurement (at pre-crash location)	
Reference Point: Prolongation	19	Reference line: 🗡	overy.	edge g
NECORNEY		Distance and Direction Reference R		Distance and Direction
Item		from Reference P	oint	, U
			oint	Distance and Direction
ltem		from Reference P	oint	Distance and Direction
Item		from Reference P	oint	Distance and Direction
Item		from Reference P	oint	Distance and Direction
ltem		from Reference P	oint	Distance and Direction
Item		from Reference P	oint	Distance and Direction
ltem		from Reference P	oint	Distance and Direction
ltem		from Reference P	oint	Distance and Direction
ltem		from Reference P	oint	Distance and Direction
ltem		from Reference P	oint	Distance and Direction
Item		from Reference P	oint	Distance and Direction
Item		from Reference P	oint	Distance and Direction
Item		from Reference P	oint	Distance and Direction







ACCIDENT FORM

NATIONAL ACCIDENT SAMPLING SYSTEM
CRASHWORTHINGS DATA SYSTEM CRASHWORTHINESS DATA SYSTEM

46.____

45. ____

1 Primary Campl	ing Unit Number	74	· S	PECIAL STUDIES	S - INDICATO	RS
Primary Sampl Case Number	_	1955	_ has be	(✓) each special studen completed; code and 0 for the special	1 for the check	ked special
3. Number of Ger	neral Vehicle		6	SS15 Administr	rative Use	<u></u>
Forms Submitt	ted	<u> </u>	7	SS16 Pedestria		tudy 0
4. Date of Accide (Month,Day,Ye	P .	9 6	8	in a separate file.) SS17 Impact Fi		<u>_</u>
5. Time of Accide	ent	1051	_ 9	SS18 Unsafe D	river Actions	<u>O</u>
Code repo	rted military time	of accident.			_	\triangle
	dnight = 2400 known = 9999		10	SS19 Run Off I	Road	<u> </u>
				NUMBER O	F EVENTS	
				umber of Recorded This Accident	Events	<u>01</u>
			E .	ode the number of entire this accident.	events which oc	curred
		ACCIDI	ENT EVEN	TS		
	hat occurred in the or object in the rig	accident, code the		TS ered vehicle in the left	columns and the	other
involved vehicle Accident Event	or object in the rig	accident, code the http://doi.org/10.1001/10.1	lowest numbe	ered vehicle in the left Vehicle Number		General
involved vehicle		accident, code the	lowest numbe General Area of	ered vehicle in the left	Class Of	
involved vehicle Accident Event Sequence Number	or object in the rig Vehicle Number	accident, code the ght columnns. Class Of Vehicle	General Area of Damage	ered vehicle in the left Vehicle Number or	Class Of Vehicle	General Area of Damage
involved vehicle Accident Event Sequence Number	Vehicle Number	accident, code the pht columnns. Class Of Vehicle	General Area of Damage	vehicle in the left Vehicle Number or Object Contacted	Class Of Vehicle	General Area of Damage
involved vehicle Accident Event Sequence Number 12. 0 1 19. 0 2	Vehicle Number 13	accident, code the oht columns. Class Of Vehicle 14	General Area of Damage	Vehicle Number or Object Contacted	Class Of Vehicle 17	General Area of Damage

41. ___ 42. ___ 43. ___ 44. ___

IF GREATER THAN FIVE EVENTS, CONTINUE CODING ON THE ACCIDENT EVENT SUPPLEMENT

40. <u>0</u> <u>5</u>

		CODES F	OR CL	ASS OF VE	HICLE		
(00) Not	a motor veh	nicle		(31)	Large pickup truck (≤	4.536 k	as GVWR)
	compact/mi	ni (wheelbase < 254 cm)			Other pickup truck (s		
	· ·	lbase ≥ 254 but < 265 cm)			Unknown pickup truc		
	=	heelbase ≥ 265 but < 278 cm)			Other light truck (≤ 4		_
		pase ≥ 278 but < 291 cm)			Unknown light truck		
	· ·	ase ≥ 291 cm)			Unknown light vehicl		7,000 kgs Q 1 1111)
-	~	nger car size			_		ed)(>4,536 kgs GVWR)
	npact utility	~			Other bus (> 4,536		
		icle (≤ 4,536 kgs GVWR)			Unknown bus type	kgs CVV	1114
	•	agon (≤ 4,536 kgs GVWR)			Truck (> 4,536 kgs	G)/\A/P)	
	known utility				Tractor without traile		
		6 kgs GVWR)			Tractor-trailer(s)	:1	
		536 kgs GVWR)		, ,			
	-	ol bus (≤ 4,536 kgs GVWR)			Unknown medium/he		
					Unknown light/medic	ım/neavy	truck type
		(≤ 4,536 kgs GVWR)			Motored cycle		
		/pe (≤ 4,536 kgs GVWR)			Other vehicle		
(30; Cor	mpact pickup	truck (≤ 4,536 kgs GVWR)		(99)	Unknown		
		CODES FOR GENER			•		
	PLICABLE	(0) Not a motor vehicle		Right sid	e		Г) Тор
AND OT		(N) Noncollision	(L)	Left side		(U	J) Undercarriage
VEHICLE	S	(F) Front	(B)	Back		(9	9) Unknown
TDC		(0) Not a motor vehicle	(L)	Left side		((C) Rear of cab
APPLICA	BLE	(N) Noncollision			unit with cargo area		/) Front of cargo area
VEHICLE		(F) Front	,		railer or straight tru		Γ) Top
	-	(R) Right side	(D)		ar of tractor)		J) Undercarriage
		(,g	(-,	Duo it (1.00	01 11001017		9) Unknown
							- CHARLOTTH
		CODES FOR VEHICLE N	NUME	BER OR C	BJECT CONTACT	ED	
(01-30)	Vehicle N	lumber		(57	') Fence		
				•	I) Wall		
Noncolli)) Building		
		rollover (excludes end-over-end)		-) Ditch or culvert		
		end-over-end) Ground		
	Fire or explo	osion			?) Fire hydrant		
	Jackknife	mit damage (annuit).			3) Curb		
(35)	Other Intrau	nit damage (specify):) Bridge		
(36)	Noncollision	iniury		(68	3) Other fixed object	(specity):	
		ollision (specify):		(69) Unknown fixed obj	ect	
(39)	Noncollision	- details unknown		Calliei	on with Nonfixed Obj		
(00)	14011001110101	details drikitown)) Passenger car, ligh		van or other vehicle
Collision	With Fixed	Object		(/)	not in-transport	t truck, v	an, or other vernicle
		cm in diameter)		171) Medium/heavy truc	k or hue	not in-transport
		cm in diameter)			2) Pedestrian	k oi bus	not in transport
	Shrubbery of	•			B) Cyclist or cycle		
	Embankmen) Other nonmotorist	or conve	vance
		pole or post (any diameter)		,,,,	i, other normoterist	01 001140	yance
		_			Vehicle occupant		
	akaway Pole			(76	3) Animal		
		(≤ 10 cm in diameter)		-	7) Train		
		(> 10 cm but ≤ 30 cm in diame	ter)		3) Trailer, disconnect		
		(> 30 cm in diameter)			 Object fell from ve 		
(53)	Pole or post	(diameter unknown)		(88)	3) Other nonfixed obj	ect (spec	ify):
(54)	Concrete tra	affic barrier		(89	Unknown nonfixed	object	
	Impact atter					-	
(56)		barrier (includes guardrail)		(98	3) Other event (speci-	fy):	
	(specity):			(99	Unknown event or	object	
				,			

GENERAL VEHICLE FORM

NATIONAL ACCIDENT SAMPLING SYSTEM
CRASHWORTHINESS DATA SYSTEM

CITIIII	istration		CHASHWORTHINESS DATA STSTEE
	Primary Sampling Unit Number Case Number - Stratum	(Speed Limit 000) No statutory limit Code posted or statutory speed limit in kmph 999) Unknown
3.	Vehicle Number		
	VEHICLE IDENTIFICATION		mph X 1.6093 = 06 4 kmph
4.	Vehicle Model Year Code the last two digits of the model year (99) Unknown	(Police Reported Alcohol Presence For Driver O) No alcohol present 1) Yes alcohol present 7) Not reported 8) No driver present
5.	Vehicle Make (specify):		9) Unknown
	Applicable oddes are found in your NASS Data Collection, Coding and Editing Manual. (99) Unknown) (Alcohol Test Result For Driver Code actual value (decimal implied pefore first digit—0.xx) 95) Test refused 96) None given
6.	Vehicle Model (specify): 972	(97) AC test performed, results unknown 98) No driver present
	Applicable codes are found in your NASS Data Collection, Coding and		99) Unknown
	Editing Manual. (999) Unknown	5	Source:
7	Body Type 20		Police Reported Other Drug Presence For
•	Note: Applicable codes may be found on the back of this page.	(Oriver O) No other drug(s) present 1) Yes other drug(s) present
8.	Vehicle Identification Number		7) Not reported 8) No driver present
٠	2P4GH25	(9) Unknown
	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 Left justify; Slash zeros and letter Z (Ø andZ) No VIN—Code all zeros Unknown—Code all nines	(Other Drug Specimen Test Result For Driver O) No specimen test given 1) Drug(s) not found in specimen 2) Drug(s) found in specimen, (specify):
9.	Vehicle Special Use (This Trip)		3) Specimen test given, results unknown or not
	(0) No special use (1) Taxi		obtained 8) No driver present
	(2) Vehicle used as school bus(3) Vehicle used as other bus		9) Unknown if specimen test given
	(4) Military(5) Police	17. [Driver's Zip Code
	(6) Ambulance(7) Fire truck or car		(00001) Driver not a resident of U.S. or territories
	(8) Other (specify):(9) Unknown		Code actual 5-digit zip code (99998) No driver present
	OFFICIAL RECORDS		(99999) Unknown
10.	Police Reported Vehicle Disposition (0) Not towed due to vehicle damage (1) Towed due to vehicle damage	(Oriver's Race/Ethnic Origin 1) White (non-Hispanic) 2) Black (non-Hispanic)
	(9) Unknown		(3) White (Hispanic)
11.	Police Reported Travel Speed Code to the nearest kmph (NOTE: 000 means less than 0.5 kmph) (160) 159.5 kmph and above	(5) American Indian, Eskimo or Aleutor (6) Asian or Pacific Islander (7) Other (specify):
	(999) Unknown		8) No driver present 9) Unknown

CODES FOR BODY TYPE

CDS APPLICABLE VEHICLES

Automobiles

- (01) Convertible (excludes sun-roof, t-bar)
- (02) 2-door sedan, hardtop, coupe
- (03) 3-door/2-door hatchback
- (04) 4-door sedan, hardtop
- (05) 5-door/4-door hatchback
- (06) Station wagon (excluding van and truck based)
- (07) Hatchback, number of doors unknown
- (08) Other automobile type (specify):
- (09) Unknown automobile type

Automobile Derivatives

- (10) Auto based pickup (includes El Camino, Caballero, Ranchero, Brat, and Rabbit pickup)
- (11) Auto based panel (cargo station wagon, auto based ambulance/hearse)
- (12) Large limousine more than four side doors or stretched
- (13) Three-wheel automobile or automobile derivative

Utility Vehicles (≤ 4,536 kgs GVWR)

- (14) Compact utility (Jeep CJ-2 CJ-7, Scrambler, Golden Eagle, Renegade, Laredo, Wrangler, Cherokee [84 and after), Dispatcher, Raider, Bronco II, Bronco [76 and before], Explorer, S-10 Blazer, Geo Tracker, Bravada, S-15 Jimmy, Thing, Pathfinder, Trooper, Trooper II, Rodeo, Amigo, Navajo, 4-Runner, Montero, Passport, Samurai, Sidekick, Rocky)
- (15) Large utility (includes Jeep Cherokee [83 and before]. Ramcharger, Trailduster, Bronco-fullsize [78 and after], fullsize Blazer, fullsize Jimmy, Hummer, Landcruiser, Rover, Scout, Yukon)
- (16) Utility station wagon (Chevy Suburban, GMC Suburban, Travelall, Grand Wagoneer, includes suburban limousine)
- (19) Utility, unknown body type

Van Based Light Trucks (≤ 4,536 kgs GVWR)

- (20) Minivan (Town and Country, Caravan, Grand Caravan, Voyager, Grand Voyager, Mini-Ram, Vista, Aerostar, Windstar, Villager, Lumina APV, Trans Sport, Silhouette, Astro, Safari, Toyota Van, Toyota Minivan, Previa, Nissan Minivan, Quest, Mitsubishi Minivan, Expo Wagon, Vanagon/Camper.)
- Large van (B150-B350, Sportsman, Royal, Maxiwagon, Ram, Tradesman, Voyager [83 and before], E150-E350, Econoline, Clubwagon, Chateau, G10-G30, Chevy Van, Beauville, Sport Van, G15-G35, Rally Van, Vandura.)
- (22) Step van or walk-in van (≤ 4,536 kgs GVWR)
- (23) Van based motorhome (≤ 4,536 kgs GVWR)
- (24) Van based school bus (< 4,536 kgs GVWR)
- (25) Van based other bus (≤ 4,536 kgs GVWR)
- (28) Other van type (Hi-Cube Van, Kary) (specify):
- (29) Unknown van type

Light Conventional Trucks (Pickup style cab. ≤ 4,536 kgs GVWR)

- (30) Compact pickup (D50, Colt P/U, Ram 50, Dakota, Arrow Pickup [foreign], Ranger, Courier, S-10, T-10, LUV, S-15, T-15, Sonoma, Datsun/Nissan Pickup, P'up, Mazda Pickup, Toyota Pickup, Mitsubishi Pickup)
- (31) Large Pickup (Jeep Pickup, Comanche, Ram Pickup, D100-D350, W100-W350, F100-F350, C10-C35, K10-K35, R10-R35, V10-V35, Silverado, Sierra, R100-R500, T100)
- (32) Pickup with slide-in camper
- (33) Convertible pickup
- (39) Unknown pickup style light conventional truck type

Other Light Trucks (≤ 4,536 kgs GVWR)

- (40) Cab chassis based (includes rescue vehicles, light stake, dump, and tow truck)
- (41) Truck based panel
- (42) Light truck based motorhome (chassis mounted)
- (45) Other light conventional truck type
- (48) Unknown light truck type
- (49) Unknown light vehicle type (automobile, utility, van, or light truck)

OTHER VEHICLES

Buses (Excludes Van Based)

- (50) School bus (designed to carry students, not cross country or transit)
- (58) Other bus type (e.g., transit, intercity, bus based motorhome) (specify):
- (59) Unknown bus type

Medium/Heavy Trucks (> 4.536 kas GVWR)

- (60) Step van (> 4,536 kgs GVWR)
- (61) Single unit straight truck $(4,536 \text{ kgs} < \text{GVWR} \le 8,845 \text{ kgs})$
- (62) Single unit straight truck $(8,845 \text{ kgs} < \text{GVWR} \le 11,793 \text{ kgs})$
- Single unit straight truck (> 11,793 kgs GVWR) (63)
- Single unit straight truck, GVWR unknown (65)
- Medium/heavy truck based motorhome
- (67) Truck-tractor with no cargo trailer
- (68) Truck-tractor pulling one trailer
- (69) Truck-tractor pulling two or more trailers
- (70) Truck-tractor (unknown if pulling trailer)
- (78) Unknown medium/heavy truck type
- (79) Unknown truck type (light/medium/heavy)

Motored Cycles (Does Not Include All-Terrain Vehicles/Cycles)

- (80) Motorcycle
- (81) Moped (motorized bicycle)
- (82) Three-wheel motorcycle or moped
- (88) Other motored cycle (minibike, motorscooter) (specify):
- (89) Unknown motored cycle type

Other Vehicles

- (90) ATV (All-Terrain Vehicle) and ATC (All-Terrain Cycle)
- (91) Snowmobile
- (92) Farm equipment other than trucks
- (93) Construction equipment other than trucks
- (97) Other vehicle type
- (99) Unknown body type

	PRECRASH ENVIRONMENTAL DATA			\
		25.	Roadway Surface Condition 3	_
19.	Relation To Interchange Or Junction		(1) Dry	•
	(0) Non-interchange area and non-junction		(2) Wet	
	(1) Interchange area related		(3) Snow or slush	
1	(1) interestange area related		(4) Ice	
	Non-Interchange junctions	1	(5) Sand, dirt, or oil	
1	(2) Intersection related	1	(8) Other (specify):	
	·		(9) Unknown	
	(3) Driveway, alley access related	l		,
į	(4) Other junction (specify)	l		/
		26.	Light Conditions	
İ	(5) Unknown type of junction	1	(1) Daylight	
	40. 11.1		(2) Dark	
	(9) Unknown		(3) Dark, but lighted	
			(4) Dawn	
			(5) Dusk	
20.	Trafficway Flow	1	(9) Unknown	
}	(0) Not physically divided (two way traffic)	1		
	(1) Divided trafficway-median strip without	l		
	positive barrier	27.	Atmospheric Conditions	\bigcirc
	(2) Divided trafficway-median strip with positive		(0) No adverse atmospheric-related driving	
	barrier	ŀ	conditions	
	(3) One way traffic		(1) Rain	
l	(9) Unknown		(2) Sleet/hail	
•		i	(3) Snow	
l	~ · · · · · · · · · · · · · · · · · · ·		(4) Fog	
21.	Number Of Travel Lanes		(5) Rain and fog	
	(1) One		(6) Sleet and fog	
1	(2) Two			
1	(3) Three	1	(7) Other (e.g., smog, smoke, blowing sand of	or
	(4) Four		dust, etc.) (specify):	
	(5) Five		(O) Halanana	
ŀ	(6) Six		(9) Unknown	1
	(7) Seven or more		T (" 0	
	(9) Unknown	28.	Traffic Control Device	
	1		(0) No traffic control(s)	
	Dead a Allemana	1	(1) Traffic control signal (not RR crossing)	
122.	Roadway Alignment			
1	(1) Straight	1	Regulatory	
1	(2) Curve right	1	(2) Stop sign	
1	(3) Curve left	1	(3) Yield sign	
	(9) Unknown	1	(4) School zone sign	
1	\sim 1 \sim 1		(5) Other regulatory sign (specify):	
23	Roadway Profile	1		
1-0.	(1) Level		(6) Warning sign (not RR crossing)	
	(2) Uphill grade (>2%)		(7) Unknown sign	
1	(3) Hill crest	1	(8) Miscellaneous/other controls including RF	₹
	·	1	controls (specify):	
	(4) Downhill grade (>2%)			
1	(5) Sag		(9) Unknown	
1	(9) Unknown			
	1	1		^
24	Roadway Surface Type	29	. Traffic Control Device Functioning	2
1	(1) Concrete		(0) No traffic control device	
1	(2) Bituminous (asphalt)		(1) Traffic control device not functioning	
1	(3) Brick or block		(specify):	
	(4) Slag, gravel, or stone		(apoony).	
		1	(2) Traffic control device functioning properly	v
	(5) Dirt	1	(9) Unknown	y
	(8) Other (specify):	Ì	(3) Olikilowii	
1	(9) Unknown	1		

	PR	RECRASH DRIVER RELATED DATA	THIS VEHICLE TRAVELLING
0. 1	Drive	er's Distraction/Inattention To Driving	(10) Over the lane line on left side of travel lane
		r To Recognition Of Critical Event)	(11) Over the lane line on right side of travel lane
		No driver present	(12) Off the edge of the road on the left side
		Attentive or not distracted	(13) Off the edge of the road on the right side
1	(02)	Looked but did not see	(14) End departure
		Distractions	(15) Turning left at intersection
	(03)	By other occupant(s), (specify):	(16) Turning right at intersection
			(17) Crossing over (passing through) intersection
	(04)	By moving object in vehicle (specify):	(18) This vehicle decelerating (19) Unknown travel direction
	(OE)	While talking or listening to cellular phone (specify	(19) Officiown traver direction
	(05)	location and type of phone):	OTHER MOTOR VEHICLE IN LANE
		location and type of priorie).	(50) Other vehicle stopped
	(06)	While dialing cellular phone (specify location and	(51) Traveling in same direction with lower steady
	(,	type of phone):	speed
			(52) Traveling in same direction while decelerating
	(07)	While adjusting climate controls	(53) Traveling in same direction with higher speed
	(80)	While adjusting radio, cassette, CD (specify):	(54) Traveling in opposite direction
	(00)	146-ile de la contrata integral te vehicle	(55) In crossover
	(09)	While using other device/controls integral to vehicle	(56) Backing
	(10)	(specify):While using or reaching for device/object brought	(59) Unknown travel direction of other motor vehicle in
	(10)	into vehicle (specify):	lane
	(11)	Sleepy or fell asleep	
	(12)	Distracted by outside person, object, or event	OTHER MOTOR VEHICLE ENCROACHING INTO
	•	(specify):	LANE
	(13)	Eating or drinking	(60) From adjacent lane (same direction)—over left lane
	(14)	Smoking related	line (61) From adjacent lone (same direction), ever right
	(97)	Distracted/inattentive, details unknown	(61) From adjacent lane (same direction)—over right lane line
	(98)	Other, distraction (specify):	(62) From opposite direction—over left lane line
	(00)	Unknown	(63) From opposite direction—over right lane line
			(64) From parking lane
		Event Movement (Prior to	(65) From crossing street, turning into same direction
		ognition of Critical Event) No driver present	(66) From crossing street, across path
		Going straight	(67) From crossing street, turning into opposite direction
		Decelerating in traffic lane	(68) From crossing street, intended path not known
		Accelerating in traffic lane	(70) From driveway, turning into same direction
	(04)	Starting in traffic lane	(71) From driveway, across path
	(05)	Stopped in traffic lane	(72) From driveway, turning into opposite direction
		Passing or overtaking another vehicle	(73) From driveway, intended path not known
		Disabled or parked in travel lane	(74) From entrance to limited access highway
	(08)	Leaving a parking position	(78) Encroachment by other vehicle—details unknown
		Entering a parking position Turning right	DEDECTRIAN DEDALCYCLIST OF OTHER
		Turning left	PEDESTRIAN, PEDALCYCLIST, OR OTHER NONMOTORIST
		Making a U-turn	(80) Pedestrian in roadway
	(13)	Backing up (other than for parking position)	(81) Pedestrian approaching roadway
		Negotiating a curve	(82) Pedestrian—unknown location
		Changing lanes	(83) Pedalcyclist or other nonmotorist in roadway
	(16)	Merging	(specify):
	(17)	Successful avoidance maneuver to a previous	(84) Pedalcyclist or other nonmotorist approaching
	(07)	critical event	roadway, (specify):
		Other (specify):v	(85) Pedalcyclist or other nonmotorist—unknown
			location (specify):
32.	Criti	ical Precrash Event	
	THI	S VEHICLE LOSS OF CONTROL DUE TO:	OBJECT OR ANIMAL
		Blow out or flat tire	(87) Animal in roadway
		Stalled engine	(88) Animal approaching roadway
	(03)	Disabling vehicle failure (e.g., wheel fell off)	(89) Animal—unknown location
	/O.4\	(specify): Non-disabling vehicle problem (e.g., hood flew up)	(90) Object in roadway
	(U 4)	(specify):	(91) Object approaching roadway
	(05)	(specify):	(92) Object—unknown location
	(00)	(specify):	(98) Other critical precrash event (specify):
	(06)	Traveling too fast for conditions	(99) Unknown
	(08)	Other cause of control loss (specify):	(33) OHKHOWII
	-	·	

(09) Unknown cause of control loss

(C)	ttempted Avoidance Maneuver (0) No driver present (1) No avoidance maneuver (2) Braking (no lockup) (3) Braking (lockup) (4) Braking (lockup unknown) (5) Releasing brakes (6) Steering left (7) Steering right (8) Braking and steering left (9) Braking and steering right (0) Accelerating (1) Accelerating and steering left (2) Accelerating and steering right (8) Other action (specify):	03 T	35. Pre-Impact Location (0) No driver present (1) Stayed in original travel lane (2) Stayed on roadway but left original travel lane (3) Stayed on roadway, not known if left original travel lane (4) Departed roadway (5) Remained off roadway (6) Returned to roadway (7) Entered roadway (9) Unknown
(3 (3 (4 (7	re-Impact Stability) No driver present) Tracking 2) Skidding longitudinally—rotation degrees 3) Skidding laterally—clockwise roll 4) Skidding laterally—counterclock 7) Other vehicle loss-of-control (space) Precrash stability unknown	otation kwise rota	(00) No impact Code the number of the diagram that best describes the accident circumstance (98) Other accident type (specify): (99) Unknown

STOP HERE IF GV07 DOES NOT EQUAL 01 - 49

Cate:	Configur-	ACCIDENT TYPES (Includes Intent)	
	A Right Roadside Departure	DRIVE OFF CONTROL/ TRACTION LOSS WITH VEH., PED., ANIM. OTHER UNKNOW	- 1
Single Driver	B Left Roadside Departure	DRIVE OFF CONTROL/ AVOID COLLISION SPECIFICS SPECIFICS UNKNOW	_
-	C Forward Impact	PARKED VEH. STA. OBJECT PEDESTRIAN/ END SPECIFICS SPECIFIC UNKNOW	_
٠. ا	D Rear-End	20 21 24 28 28 30 (EACH • 32)	
II Sane Trafficwa Sane Direction	E Forward Impact	CONTROL/ TRACTION LOSS TRACTION LOSS WITH VEH. 38	PICS
	Sideswipe Angle	45 46 (EACH • 48) (EACH • 49) SPECIFICS UNKNOWN OTHER	wn
\$1 \$1	G Head-On	50 51 (EACH • 52) (EACH • 53) SPECIFICS SPECIFICS UNKNOWN	
Same Trafficway Oppiwite Direction	H Forward Impact	CONTROL/ TRACTION LOSS TRACTION LOSS WITH VEH. SO CONTROL/ SO CONTROL/ AVOID COLLISION WITH OBJECT OTHER UNKN	PICS
=	l. Sideswipe: Angle	(EACH • 65) (EACH • 67) SPECIFICS SPECIFICS UNKNOWN LATERAL MOVE OTHER	
Change Trafficway Velucle Turning	J. Turn Across Path	HITTIAL OPPOSITE INITIAL SAME DIRECTIONS SPECIFICS SPECIFICS OTHER UNKNO	ICS
2	K. Turn Into Path	TURN INTO SAME DIRECTION TURN INTO OPPOSITE DIRECTIONS OTHER UNKN	FICS
ing Paths (Vehicle Damage)	L. Straight Paths	(EACH • 90) (EACH • 91) SPECIFICS UNKNOW OTHER	N
VI Miscel	M. Backing Etc.	SE Other Accident Type OR OBJECT SACKING VEN. SS Other Accident Type SUnknown Accident Type ON No Impect	

	OCCUPANT RELATED	44. Vehicle Cargo Weight O, OO O
37.	Driver Presence in Vehicle (0) Driver not present (1) Driver present (9) Unknown	Code weight to nearest 10 kilograms. (000) Less than 5 kilograms (454) 4,536 kilograms or more (999) Unknown
38.	Number of Occupants This Vehicle (00-96) Code actual number of occupants for this vehicle (97) 97 or more (99) Unknown	Source: ROLLOVER DATA 45. Rollover
39.	Number of Occupant Forms Submitted 02	(00) No rollover (no overturning)
	Is this an AOPS Vehicle? (0) No (includes unknown) (1) Yes - researcher determined (2) VIN determined air bag system (3) VIN determined automatic (passive) belts	Rollover (primarily about the longitudinal axis) (01-16) Code the number of quarter turns (17) Rollover, 17 or more quarter turns (specify): (98) Rolloverend-over-end (i.e., primarily about the lateral axis) (99) Rollover (overturn), details unknown
41.	(4) VIN determined air bag and automatic (passive) belts Air Bag(s) Deployment, First Seat Frontal (0) Not equipped or not available (1) No air bags deployed Single Air Bag Vehicle (2) Driver air bag deployed (3) Driver air bag, unknown if deployed	46. Rollover Initiation Type (00) No rollover (01) Trip-over (02) Flip-over (03) Turn-over (04) Climb-over (05) Fall-over (06) Bounce-over (07) Collision with another vehicle
42.	Multiple Air Bag Vehicle (4) Driver side only deployed (5) Passenger side only deployed (6) Driver and passenger side deployed (7) Driver and passenger side unknown if deployed (8) Air bag(s) deployed, details unknown (9) Unknown Air Bag(s) Deployment, Other Than First Seat Frontal	(08) Other rollover initiation type specify): (98) Rolloverend-over-end (99) Unknown rollover initiation type 47. Location of Rollover Initiation (0) No rollover (1) On roadway (2) On shoulder—paved (3) On shoulder—unpaved (4) On roadside or divided trafficway median (8) Rolloverend-over-end
	 (0) Not equipped with an "other" air bag (1) Deployed during accident (as a result of impact) (2) Deployed inadvertently just prior to accident (3) Deployed, details unknown (4) Deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical) (5) Unknown if deployed (7) Nondeployed (9) Unknown 	(9) Unknown 48. Rollover Initiation Object Contacted (Note: Applicable codes on back of page) 49. Location on Vehicle Where Initial Principal Tripping Force Is Applied (0) No rollover (1) Wheels/tires (2) Side plane (3) End plane
	Specify type of "other" air bag present:	 (4) Undercarriage (5) Other location on vehicle (specify): (6) Non-contact rollover forces (specify): (8) Rollover-end-over-end
43	Vehicle Curb Weight Code weight to nearest 10 kilograms. (045) Less than 454 kilograms (612) 6,124 kilograms or more (999) Unknown John John March	(9) Unknown 50. Direction of Initial Roll (0) No rollover (1) Roll right - primarily about the longitudinal axis (2) Roll left - primarily about the longitudinal axis (8) Rolloverend-over-end (9) Unknown roll direction
l	Source: 1110	

CODES FOR ROLLOVER INITIATION OBJECT CONTACTED

(00) No rollover (01-30) — Vehicle Number	(57) Fence (58) Wall
Nanadiaian	(59) Building
Noncollision (21) Turn over fell over	(60) Ditch or culvert (61) Ground
(31) Turn-over — fall-over	
(32) No rollover impact initiation (end-over-end)	(62) Fire hydrant
(34) Jackknife	(63) Curb
O HILL MARINER AND A OFFICE	(64) Bridge
Collision With Fixed Object (41) Tree (≤ 10 cm in diameter)	(68) Other fixed object (specify):
(42) Tree (> 10 cm in diameter)	(69) Unknown fixed object
(43) Shrubbery or bush	
(44) Embankment	Collision with Nonfixed Object
	(70) Passenger car, light truck, van, or other
(45) Breakaway pole or post (any diameter)	vehicle not in-transport
	(71) Medium/heavy truck or bus not in-transpor
Nonbreakaway Pole or Post	(76) Animal
(50) Pole or post (≤ 10 cm in diameter)	(77) Train
(51) Pole or post (> 10 cm but ≤ 30 cm in	(78) Trailer, disconnected in transport
diameter)	(79) Object fell from vehicle in-transport
(52) Pole or post (> 30 cm in diameter)	(88) Other nonfixed object (specify):
(53) Pole or post (diameter unknown)	(00) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
(00) Tota of poor (diameter anniero)	(89) Unknown nonfixed object
(54) Concrete traffic barrier	(ou) changing norm, ou object
(55) Impact attenuator	(98) Other event (specify):
(56) Other traffic barrier (includes guardrail)	(00) Other event (specify).
(specify):	(99) Unknown event or object

OVERRIDE/UNDERRIDE (THIS VEHICLE) **ACCIDENT RECONSTRUCTION PROGRAMS** HIGHEST DELTA V 51. Front Override/Underride (this Vehicle) 58. Basis for Total (Resultant) Delta V 52. Rear Override/Underride (this Vehicle) (highest) (0) No override/underride, or not an end-to-end impact between two CDS applicable vehicles, (00) No vehicle inspection and no medium/heavy truck or bus underride Override (see specific CDC) Delta V Calculated [Between 2 CDS applicable vehicles (Bodytype, GV07 = 1-49)] (01) Reconstruction program-damage only routine (1) 1st CDC (02) Reconstruction program-damage and (2) 2nd CDC trajectory routine (3) Other not automated CDC (specify): (03) Missing vehicle algorithm Delta V Not Calculated Underride (see specific CDC) (04) At least one vehicle (which may be this [Between 2 CDS applicable vehicles (Bodytype, GV07 = 1-49)] vehicle) is beyond the scope of an (4) 1st CDC acceptable reconstruction program, (5) 2nd CDC regardless of collision conditions. (6) Other not automated CDC (specify): All vehicles within scope (CDC applicable) of (7) Medium/heavy truck or bus override (of any reconstuction program but one of the collision configuration) conditions is beyond the scope of the (9) Unknown reconstruction program or other acceptable **HEADING ANGLE AT IMPACT FOR** reconstruction technique, regardless of adequacy HIGHEST DELTA V of damage data. Values: (000)-(359) Code actual value (05) Rollover (996) Non-horizontal impact (06) Other non-horizontal forces (997) Noncollision (07) Sideswipe type damage (998) Impact with object (08) Severe override (999) Unknown (09) Yielding object 53. Heading Angle For This Vehicle (10) Overlapping damage (11) All vehicle and collision conditions are within 54. Heading Angle For Other Vehicle 000 scope of one of the acceptable **RECONSTRUCTION DATA** reconstruction programs, but there is insufficient data available, (specify): 55. Towed Trailing Unit (0) No towed unit (1) Yes-towed trailing unit (9) Unknown 56. Documentation of Trajectory Data (98) Other, (specify): for This Vehicle (O) No (1) Yes due to impect VI LOW hit on LF wheel 57. Post Collision Condition of Tree or Pole (For Highest Delta V) (0) Not collision (for highest delta V) with tree or pole (1) Not damaged (2) Cracked/sheared (3) Tilted < 45 degrees (4) Tilted ≥45 degrees (5) Uprooted tree (6) Separated pole from base (7) Pole replaced (8) Other (specify):

(9) Unknown

ED CRASH SEVERITY
Highest 63. Impact Speed
Nearest kmph (highest) 998
Nearest kmph (secondary)
(NOTE: 000 means less than 0.5 kmph) (160) 159.5 kmph and above (998) Trajectory algorithm not run (999) Unknown
DELTA V CONFIDENCE LEVEL
64. Confidence In Reconstruction Program Results (For Highest Delta V) (0) No reconstruction (1) Collision fits model — results appear reasonable (2) Collision fits model — results appear high (3) Collision fits model — results appear low (4) Borderline reconstruction — results appear reasonable
OTHER SPEED ESTIMATE
Highest 65. Barrier Equivalent Speed 15.9

. Estimated Highest Delta V (Researcher Determined)	67. Type of Vehicle Inspection
(0) Reconstruction Delta V coded Estimated Delta V (1) Less than 10 kmph (2) ≥ 10 kmph but < 25 kmph (3) ≥ 25 kmph but < 40 kmph (4) ≥ 40 kmph but < 55 kmph (5) ≥ 55 kmph Other estimates of damage severity (6) Minor (7) Moderate (8) Severe	(0) No inspection (1) Vehicle fully repaired-no damage evident (2) Partial inspection (specify): (3) Complete inspection DELTA V EVENT NUMBER 68. Delta V Event Number Code the accident event sequence number that resulted in the Delta V the has been coded above for this vehicle (99) Unknown

*** IF GV07 DOES NOT EQUAL 01-49, DO NOT COMPLETE *** THE EXTERIOR VEHICLE, INTERIOR VEHICLE, OCCUPANT ASSESSMENT, AND OCCUPANT INJURY FORMS.

U.S. Department of Transportation

Vehicle Make (specify):

National Highway Traffic Safety Administration	EXTERIOR VE	HICLE FURIVI	CRASHWORTHINESS DATA SY		
Primary Sampling Unit Number Case Number - Stratum	1955	3. Vehicle Number	01		
	VEHICLE IDE	NTIFICATION			
VIN 2 P 4 6 H 2 5			Model Year 95		

LOCATOR*

Vehicle Model (specify):

Locate the end of the damage with respect to the vehicle's damaged center point or bumper corner for end impacts or an undamaged axle for side impacts.

Specific Impact No.	Location of Direct Damage	Location of Field L	Location of Max Crush	
/	Whole FRONT BURDER	4 hots Hart jeunier	CI	
	/			

CRUSH PROFILE IN CENTIMETERS

NOTES: Identify the plane at which the C-measurements are taken (e.g., at bumper, above bumper, at sill, above sill, etc.) and label adjustments (e.g., free space). S/MJ 597 70

Measure C1 to C6 from driver to passenger side in front or rear impacts and rear to front in side impacts.

Free space value is defined as the distance between the baseline and the original body contour taken at the individual C locations. This may include the following: bumper lead, bumper taper, side protrusion, side taper, etc. Record the value for each C-measurement and maximum crush.

Use as many lines/columns as necessary to describe each damage profile.

Specific		Direct D	Direct Damage								
Impact Number	Plane of Impact C-Measurements	Width (CDC)	Max Crush	Field L	C ₁	C₂	C₃ ·	C₄	C₅	C ₆	±D
/	BUMPER	<i>15</i> 5	26	155	26	17	14	12	10	16	\emptyset
	FREESPACE		10		700	25	0	0	25	701	Ĺ
			·			8		and the state of t	A STATE OF THE STA	Side Kolonian dan Amerika	and the second
	Result		110		X	145	14	12	75	6	
					19	16	14	12	9	9	0
											•

ORIGINAL SPECIFICATIONS WORK SHEET

Wheelbase	1123	inches	x	2.54	=	285 cm
Overall Length	128.1	inches	x	2.54	=	<u>452</u> cm
Maximum Width		inches				<u> </u>
Curb Weight	<u> 3333</u>	pounds	×	.4536	=	, kg
Average Track	156	inches	×	2.54	=	cm
Front Overhang	<u> </u>	inches	X	2.54	=	cm
Rear Overhang	<u> </u>	inches	x	2.54	=	cm
Undeformed End Width	·	inches	×	2.54	=	cm
Engine Size: cyl./displ.	V6	СС	x	.001	=	301
		CID	x	.0164	=	L

VEHICLE DAMAGE SKETCH TIRE-WHEEL DAMAGE **ORIGINAL SPECIFICATIONS** WHEEL STEER ANGLES a. Rotation physically b. Tire (For locked front wheels or Wheelbase displaced rear axles only) restricted deflated cm RF ± Overall Length cm Maximum Width RR ± LR ± _/_ Curb Weight kg Within ± 5 degrees Average Track cm (1) Yes (2) No (8) NA (9) Unk. **DRIVE WHEELS** Front Overhang cm TYPE OF TRANSMISSION Rear Overhang cm FWD RWD 4WD ☐ Manual ☑ Automatic Undeformed End Width cm **Approximate** END SHIFT ≥ 1Q.CM Engine Size: cyl./displ. \vee 6 Cargo Weight kg ☐ Yes ☑ No

MEASUREMENTS IN CENTIMETERS Original Bumper height POST-CRASH Bumper corner Stringline POST-CRASH 288 Bumper corner Stringline

NOTES: Sketch new perimeter and cross hatch direct damage and single hatch induced damage on all views. Annotate observations which might be useful in reconstructing the accident (e.g., grass in tire bead, direction of striations, scuff on sidewalls, etc.). If pulling trailer, sketch type of trailer and damage received on the back of this page.

Annotate any damage caused by extrication such as component removal by torching, prying, or hydraulic shears.

	CDC WOR	KSHEE	Т
	CODES FOR OBJE	CT CONT	ACTED
(01-30)	- Vehicle Number		Fence
			Wall
Noncolli			Building
	Overturn — rollover (excludes end-over-end)		Ditch or culvert
	Rollover—end-over-end		Ground
	Fire or explosion		Fire hydrant
	Jackknife		Curb
(35)	Other intraunit damage (specify):		Bridge
40.01		(68)	Other fixed object (specify):
	Noncollision injury		
(38)	Other noncollision (specify):	(69)	Unknown fixed object
(39)	Noncollision — details unknown		n with Nonfixed Object
		(70)	Passenger car, light truck, van, or other
	With Fixed Object		vehicle not in-transport
	Tree (≤ 10 cm in diameter)		Medium/heavy truck or bus not in-transport
	Tree (> 10 cm in diameter)	(72)	Pedestrian
	Shrubbery or bush	(73)	Cyclist or cycle
(44)	Embankment	(74)	Other nonmotorist or conveyance
(45)	Breakaway pole or post (any diameter)		Vehicle occupant
			Animal
	akaway Pole or Post		Train
	Pole or post (≤ 10 cm in diameter)	(78)	Trailer, disconnected in transport
(51)	Pole or post (> 10 cm but ≤ 30 cm in		Object fell from vehicle in-transport
	diameter)	(88)	Other nonfixed object (specify):
	Pole or post (> 30 cm in diameter)		
(53)	Pole or post (diameter unknown)	(89)	Unknown nonfixed object
(54)	Concrete traffic barrier	(98)	Other event (specify):
(55)	Impact attenuator		•
(56)	Other traffic barrier (includes guardrail) (specify):	(99)	Unknown event or object

DEFORMATION CLASSIFICATION BY EVENT NUMBER										
Accident Event Sequence Number	Object Contacted	(1) (2) Direction of Force (degrees)	Incremental Value of Shift	(3) Deformation Location	(4) Specific Longitudinal or Lateral Location	(5) Specific Vertical or Lateral Location	(6) Type of Damage Distribution	(7) Deformation Extent		
0 1	0 2	20	00	F	<u></u>	E	ليا	01		
		+40								
								<u> </u>		

				-			-	. ———		

National Accid	National Accident Sampling System-Crashworthiness Data System: Exterior Venicle Form Page 4										
COLLISION DEFORMATION CLASSIFICATION											
HIGHEST I	DELTA "V"										
Accident Event Sequence Number 4.	Object Contacted 5. 0 2	(1) (2) Direction of Force O 6.	(3) Deformation Location 7.	(4) Longitudinal or Lateral Location 8.	(5) Vertical or Lateral Location	(6) Type of Damage Distribution	(7) Deformation Extent				
Second Highest Delta "V"											
12	13	14	15	16	17	18	19				
		CRUS	H PROFILE	IN CENTIM	ETERS						
	The crush pro	······································	nage described			be documente	d				
			below. (ALL M								
HIGHEST	DELTA "V"										
20. L	21. C ₁	C ₂	C ₃	C ₄	C ₅	C ₆	22. 				
177	019	016	014 (009 C		000				
Second Hi	ghest Delta "V	/ TI									
23. 	24. C ₁				C ₅	C ₆	25. ± D				
						=					
(Coded impact (250) (998)	250 centimete	severity e impact.) earest centimete		28. Original Wheelbase Code to the nearest centimeter (650) 650 centimeters or more (999) Unknown 1 2 2 3 inches X 2.54 = 2 3 5 centimeters							
27. Direct (For hi	Damage Width ghest severity i	mpact) earest centimet	<u> 155</u>	(185) (999)	Al Average Trace Code to the nearest centing 185 centimet Unknown	neter	256				

			FUEL SYSTEM
30.	Are CDCs Documented	_0	35. Location of Fuel Tank-1 Filler Cap
	but Not Coded on The Automated File? (0) No (1) Yes		36. Location of Fuel Tank-2 Filler Cap (0) No fuel tank (1) On back plane (2) Aft of center of the rear wheels (rear axle) on left side plane
31.	Researcher's Assessment of Vehicle Disposition (0) Not towed due to vehicle damage (1) Towed due to vehicle damage (9) Unknown		 (3) Aft of center of the rear wheels (rear axle) on right side plane (4) Forward of center of the rear wheels (rear axle) on left side plane (5) Forward of center of the rear wheels (rear axle) on right side plane (6) Over the center of the rear wheels (rear axle) on left side plane
32.	Is This A Multi-Stage Manufactured Vehicle And/Or A Certified Altered Vehicle? (0) No post manufacturer modifications (1) Yes - post manufacturer modifications (specify):	-0	 (7) Over the center of the rear wheels (rear axle) on right side plane (8) Other (specify): (9) Unknown
	(Include photograph of CERTIFICATION PLACARD in case report) (9) Unknown if vehicle is modified		37. Type of Fuel Tank-1 38. Type of Fuel Tank-2 (0) No fuel tank (electrical vehicle) (1) Metallic (2) Non-metallic (9) Unknown
	FIRE OCCURRENCE		39. Location of Fuel Tank-1
33.	Fire Occurrence (0) No fire Yes, fire occurred (1) Minor (2) Major (9) Unknown	<u>O</u>	(1) Aft of center of the rear wheels (rear axle) centered (2) Aft of center of the rear wheels (rear axle) left side (3) Aft of center of the rear wheels (rear axle) right side
34.	Origin of Fire (O) No fire (1) Vehicle exterior (front, side, back, top) (2) Exhaust system (3) Fuel tank (and other fuel retention system parts) (4) Engine compartment (5) Cargo/trunk compartment (6) Instrument panel (7) Passenger compartment area (8) Other location (specify): (9) Unknown	<u>\delta</u>	(4) Forward of center of the rear wheels (rear axle) centered (5) Forward of center of the rear wheels (rear axle) left side (6) Forward of center of the rear wheels (rear axle) right side (7) Over center of the rear wheels (rear axle) (8) Other (specify): (9) Unknown 41. Damage to Fuel Tank-1 42. Damage to Fuel Tank-2 (0) No fuel tank (1) No damage to fuel tank (2) Deformed, no seam failure (3) Deformed, with a seam failure (4) Punctured (5) Lacerated (ripped) (6) Abraded (scraped) (7) Filler neck separation from the fuel tank (8) Other damage (specify): (9) Unknown

	· - · · · · · · · · · · · · · · · · · ·	
43.	Leakage Location of Fuel System-1	47. Is This Vehicle Equipped With More Than
11	Leakage Location of Fuel System-2	(0) No (one or two tanks only)
 .	(0) No fuel tank	(o) No tone of two tanks only,
	(1) No fuel leakage	Yes - More Than Two Tanks
	(1) No luel leakage	(1) Yes no damage to any tank or filler
	Primary Area Of Lankage	cap and <u>no fuel system leakage</u>
	Primary Area Of Leakage	
	(2) Tank	(2) Yes <u>no damage</u> to any tank or filler
	(3) Filler neck	cap but there is fuel system leakage
	(4) Cap	(specify leakage location):
	(5) Lines/pump/filter	(0)
	(6) Vent/emission recovery	(3) Yes damage to an additional tank or
	(8) Other (specify):	filler cap and there is fuel system leakage
	(9) Unknown	(specify the following):
		Type of tank
	2 1	Tank location
45.	Fuel Type-1	Filler cap location
	,	Tank damage
46.	Fuel Type-2	Location of leakage
		Type of fuel(9) Unknown if more than two tanks
	Single Fuel Type	(9) Unknown if more than two tanks
	(00) No fuel tank	
	(01) Gasoline	
	(O2) Diesel	·
	(03) CNG (Compressed Natural Gas)	COMMENTS
	(04) LPG (Liquid Petroleum Gas) also	
	known as Propane	
	(05) LNG (Liquid Natural Gas)	
	(06) Methanol (M100 or M85)	
	(07) Ethanol (E100 or E85)	
	(08) Other (Hydrogen or others) (specify):	
	Electric Powered or Electric/Solar	
	Powered Vehicles	
	(10) Lead Acid Battery	
	(11) Nickel-Iron Battery	
	(12) Nickel-Cadmium Battery	
	(13) Sodium Metal Chloride Battery	
	(14) Sodium Sulfur Battery	
	(18) Other (Specify):	
	(10) Other (openity).	
	(98) Other Hybrid (specify):	
	(99) Unknown fuel type	
İ		
		

*** STOP: IF THE CDS APPLICABLE VEHICLE WAS NOT TOWED ***

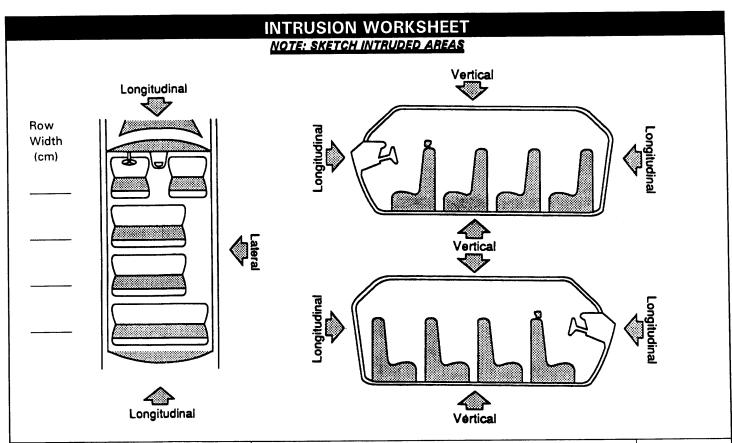
(GV10=0)

DO NOT COMPLETE THE INTERIOR VEHICLE FORM.

INTERIOR VEHICLE FORM

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

	GLAZING
1. Primary Sampling Unit Number	Type of Window/Windshield Glazing
2. Case Number - Stratum	15. WS / 16. LF 2 17. RF 2 18. LR 2 19. RR 2
3. Vehicle Number	20. BL <u>2</u> 21. Roof <u>0</u> 22. Other <u>2</u>
4. Passenger Compartment Integrity (00) No integrity loss Yes, Integrity Was Lost Through (01) Windshield (02) Door (side) (03) Door/hatch (back door) (04) Roof	 (0) No glazing (1) AS-1 — Laminated (2) AS-2 — Tempered (3) AS-3 — Tempered-tinted (original) (4) AS-2 — Tempered-with after market tint (5) AS-3 — Tempered-tinted (with additional after market tint) (6) AS-14 — Glass/Plastic (7) Glazing removed prior to accident (8) Other (specify):
(05) Roof glass (06) Side window	(9) Unknown
 (07) Rear window (backlight) (08) Roof and roof glass (09) Windshield and door (side) (10) Windshield and roof (11) Side and rear window (side window and backlight) (12) Windshield and side window 	Window Precrash Glazing Status 23. WS 24. LF 25. RF 26. LR 27. RR 28. BL 29. Roof 30. Other (0) No glazing
(13) Door and side window (98) Other combination of above (specify): (99) Unknown	(1) Fixed (2) Closed (3) Partially opened (4) Fully opened (7) Glazing removed prior to accident (9) Unknown
Door, Tailgate or Hatch Opening	Glazing Damage from Impact Forces
5. LF	31. WS <u>/</u> 32. LF <u>/</u> 33. RF <u>/</u> 34. LR <u>/</u> 35. RR <u>/</u>
(0) No door/gate/hatch (1) Door/gate/hatch remained closed and operational (2) Door/gate/hatch came open during collision (3) Door/gate/hatch jammed shut (8) Other (specify): (9) Unknown	36. BL / 37. Roof 38. Other / (0) No glazing (1) No glazing damage from impact forces (2) Glazing in place and cracked from impact forces (3) Glazing in place and holed from impact forces (4) Glazing out-of-place (cracked or not) and not holed from impact forces (5) Glazing out-of-place and holed from impact forces (6) Glazing disintegrated from impact forces
Damage/Failure Associated with Door, Tailgate or Hatch Opening in Collision. If IV05-IV09 ≠ 2, Then code Ø	(7) Glazing removed prior to accident (9) Unknown if damaged
10. LF <u>O</u> 11. RF <u>O</u> 12. LR <u>O</u> 13. RR <u>O</u> 14. TG/H <u>O</u>	Glazing Damage from Occupant Contact
(0) No door/gate/hatch or door not opened	39. WS <u>2</u> 40. LF <u>/</u> 41. RF <u>/</u> 42. LR <u>/</u> 43. RR <u>/</u>
Door, Tailgate or Hatch Came Open During Collision (1) Door operational (no damage) (2) Latch/striker failure due to damage (3) Hinge failure due to damage (4) Door structure failure due to damage (5) Door support (i.e., pillar, sill, roof side rail, etc.) failure due to damage (6) Latch/striker and hinge failure due to damage (8) Other failure (specify):	44. BL / 45. Roof 46. Other (0) No glazing (1) No occupant contact to glazing (2) Glazing contacted by occupant but no glazing damage (3) Glazing in place and cracked by occupant contact (4) Glazing in place and holed by occupant contact (5) Glazing out-of-place (cracked or not) by occupant contact and not holed by occupant contact (6) Glazing out-of-place by occupant contact and holed by occupant contact (7) Glazing removed prior to accident (8) Glazing disintegrated by occupant



LOCATION OF INTRUSION	INTRUDED COMPONENT	(All Meas COMPARISON VALUE —	urements Are In Centimeters) INTRUDED VALUE =	INTRUSION	DOMINANT CRUSH DIRECTION
		_	=		
		_	=		
		-	=		
		_	=		
		_	=		
		_	=		
		_	=		
		_	=		
		_	=		
		-	=		
		_	=		
		_	=		
		_	=		
		-	=		
			=		

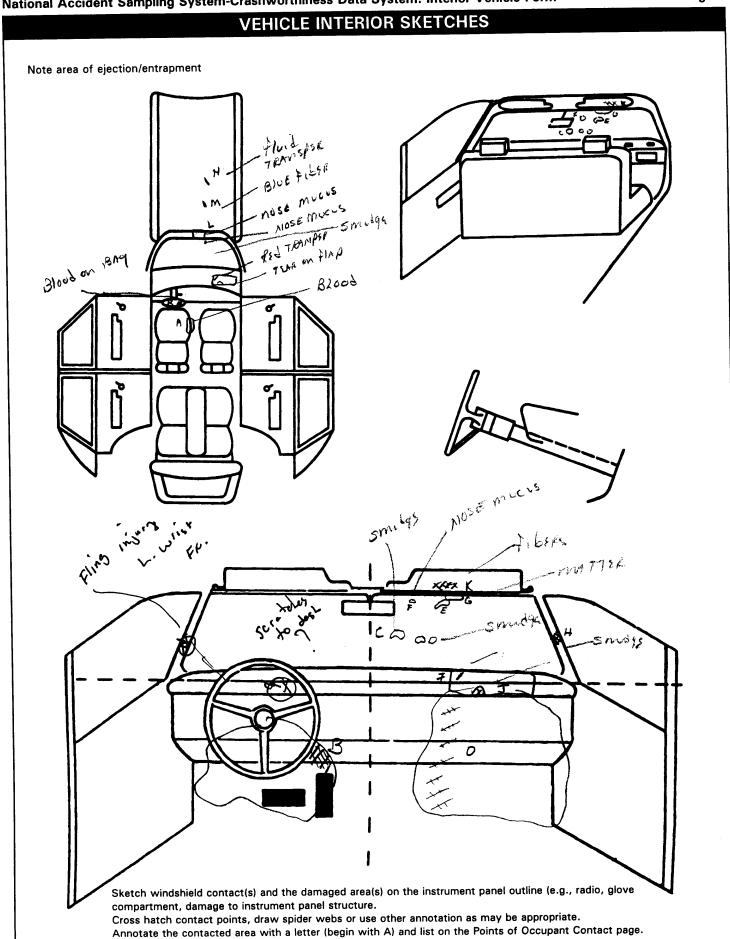
OCCUPANT AREA INTRUSION Note: If no intrusions, leave variables IV47-IV86 blank. INTRUDING COMPONENT Dominant Interior Components (01) Steering assembly Magnitude Crush Location of Intruding Component of Intrusion Direction (02) Instrument panel left Intrusion (03) Instrument panel center (04) Instrument panel right (05) Toe pan 48. 49. 50 1st (06) A (A1/A2)-pillar (07) B-pillar (08) C-pillar (09) D-pillar 52. 53. 54. 2nd (10) Side panel - forward of the A1/A2-pillar (11) Door panel (side) (12) Side panel - rear of the B-pillar 56. 57. 58. 3rd 55. (13) Roof (or convertible top) (14) Roof side rail (15) Windshield (16) Windshield header 61. 60. 62. (17) Window frame (18) Floor pan (includes sill) (19) Backlight header (20) Front seat back 64. 65. 66. (21) Second seat back (22) Third seat back (23) Fourth seat back (24) Fifth seat back 69. 70. 68. (25) Seat cushion (26) Back door/panel (e.g., tailgate) (27) Other interior component (specify): 73. 72. 71. 7th **Exterior Components** (30) Hood (31) Outside surface of this vehicle (specify): 77. 76. (32) Other exterior object in the environment (specify): (33) Unknown exterior object 80. 81.___ (97) Catastrophic (98) Intrusion of unlisted component(s) (specify): 84. 85. 86. (99) Unknown LOCATION OF INTRUSION MAGNITUDE OF INTRUSION (1) ≥ 3 centimeters but < 8 centimeters Fourth Seat Front Seat (2) ≥ 8 centimeters but < 15 centimeters (41) Left (11) Left (3) ≥ 15 centimeters but < 30 centimeters (42) Middle (12) Middle (4) ≥ 30 centimeters but < 46 centimeters (13) Right (43) Right (5) ≥ 46 centimeters but < 61 centimeters (6) ≥ 61 centimeters Second Seat (97) Catastrophic (7) Catastrophic (98) Other enclosed (21) Left (9) Unknown area (specify) (22) Middle (23) Right (99) Unknown DOMINANT CRUSH DIRECTION Third Seat (1) Vertical (31) Left (2) Longitudinal (32) Middle (3) Lateral (33) Right (7) Catastrophic

(9) Unknown

(All Measurements Are in Centimeters)					
COMPARISON VALUE	_	DAMAGE VALUE	=	DEFORMATION	
26	_	J 3		3	
			=		
	_		=		

STEERING COLUMN	INSTRUMENT PANEL
	92. Odometer Reading
. Steering Column Type	
(1) Fixed column	39,4 kilometers
(2) Tilt column	Code to the nearest 1,000 kilometers
(3) Telescoping column(4) Tilt and telescoping column	(000) No odometer
(8) Other column type (specify):	(001) Less than 1,500 kilometers
(8) Other column type (specify).	(500) 499,500 kilometers or more
(9) Unknown	(999) Unknown
	Source:
8. Tilt Steering Column Adjustment	Godios.
(0) No tilt steering column	93. Instrument Panel Damage from
(1) Full up	Occupant Contact?
(2) Between full up and center	(O) No
(3) Center	(1) Yes
(4) Between center and full down	(9) Unknown
(5) Full down	7
(9) Unknown	94. Type of Knee Bolster Covering
(a) Olikilowii	(O) No knee bolster
	(1) Padded
9. Telescoping Steering Column Adjustment	(2) Rigid plastic
(0) No telescoping steering column	(8) Other (specify):
	(9) Unknown
(1) Full back	(o)
(2) Between full back and midpoint	95. Knee Bolsters Deformed from
(3) Midpoint	Occupant Contact?
(4) Between midpoint and full forward	(0) No knee bolster
(5) Full forward	(1) No deformation
(9) Unknown	(2) Yes - deformation
١ -	(9) Unknown
O Steering Rim/Spoke Deformation	
90. Steering Rim/Spoke Deformation U	96. Did Glove Compartment Door Open
deformation to the nearest centimeter	During Collision(s)?
(00) No steering rim deformation	(O) No glove compartment door
(01-14) Actual measured value in centimeters	(1) No - door did not open
(15) 15 centimeters or more	(2) Yes - door opened
(98) Observed deformation cannot be measured	(9) Unknown
(99) Unknown	97. Adaptive (Assistive) Driving Equipment
	(0) No adaptive driving equipment
91. Location of Steering Rim/Spoke	(1) Adaptive driving equipment installed
51. Location of Steering Time, Spans	(Check all that apply.)
Deformation (00) No steering rim deformation	[] Hand controls for braking/acceleration
(חח) ואח פופפוווא ווווו מפוסוווומנוסוו	[] Steering control devices (attached to OEI
Quarter Sections	steering wheel
(01) Section A	[] Steering knob attached to steering wheel
(02) Section B	[] Low effort power steering (unit or device
(02) Section B (03) Section C	[] Replacement steering wheel (i.e., reduce
(04) Section D	diameter)
(04) Section B	[] Joy-stick steering controls
Half Sections	[] Wheelchair tie-downs
(05) Upper half of rim/spoke	[] Modification to seat belts (specify):
(06) Lower half of rim/spoke	A Live I was a suite has less aife.
(07) Left half of rim/spoke	[] Additional or relocated switches (specify
(08) Right half of rim/spoke	
(00) (119.11 (10.11)	[] Raised roof
	[] Wall-mounted head rest (used behind
(09) Complete steering wheel collapse	I whoolobair\
(09) Complete steering wheel collapse (10) Undetermined location	wheelchair)
(10) Undetermined location	[] Other adaptive device (specify):
(09) Complete steering wheel collapse (10) Undetermined location (99) Unknown	[] Other adaptive device (specify):

tibsks on but NO strucking



ational Acci	dent Sampling			ta System: Interior Vehicle Fo	· · · · · · · · · · · · · · · · · · ·	Page
		POIN	TS OF OCC	CUPANT CONTACT		
Contact	Interior Component Contacted	Occupant No. If Known	Body Region If Known	Supporting Physical Ev	vidence	Confidence Level of Contact Point
A	151	2	FACE ?		m x /5	/
В	170	2 ?	FACE ?	BLOOD STAIN		3
С	001	2	FACE / HAND	Smudge 21cm form	Right A Pille	1
D	001	<u>م</u>	FACE / HAND	Smudgs 25cm from	RIGHT OF PILLAGE	/ .
E		2	ING/HAND	5 mides 11cm from k	01924 A F. 11AM	1
F	001	2	FACE		M GICKE A BRAD	,
G	001	2	unk	39 cm F	non Fight & Allia	3
Н	/03	2	UNK	Smudge Benting	100 77 010 2 12	3
<u> </u>	185	2	BO24	1 Hem hon	g from Edgs	,
j	185	2	mk	10	ming From edge	3
K	003	?	unk	Brown fiber	THOM EGYZ	. 3
L		2	FACE			
<u></u>	201	2	UNK	Blue Fiber 75 FROM HS	51ds 104il	3
N	205	Ons	wk		70 FR40 \$109 100 6	3
006) Steering of codes (007) Steering column, to lever, other of the column of the col	wheel rim wheel hub/spoke wheel (combination 004 and 005) ransmission selector ner attachment telephone or CB equipment(e.g., t, air conditioner) rument panel and estrument panel and	LEFT SIDE (051) Left sid excludin armrest (052) Left sid armrest (053) Left B-((054) Left B-((055) Other le (056) Left sic (057) Left sic (058) Left sic (059) Left sic includir followin sill, A (or roof (060) Other le	e interior surface, ng hardware or s le hardware or s le hardware or s le hardware or s le window glass le window glass le window sill le window glass ng one or more of the ng: frame, window A1/A2)-pillar, B-pillar side rail.	(specify):	REAR (301) Backlight (rear (302) Backlight stord door, etc. (303) Other rear objection ADAPTIVE (ASSISTI' EQUIPMENT (401) Hand controls braking/accele (402) Steering contr (attached to C wheel) (403) Steering knob steering whee (405) Replacement (i.e., reduced (406) Joy stick stee (407) Wheelchair tie (408) Modification t (specify):	age rack, ect (specify): VE) DRIVING for ration ol devices EM steering attached to I steering wheel diameter) ring controls
(014) Knee bol (015) Windship more of	empartment door ster eld including one or the following: front A (A1/A2)-pillar,		ide interior surface, ng hardware or	cover-driver side (180) Air bag-passenger side (185) Air bag compartment cover-passenger side	(409) Additional or switches, (sp.	

- armrests
- (102) Right side hardware or armrest
- (103) Right A (A1/A2)-pillar
- (104) Right B-pillar

instrument panel, mirror, or

more of the following: front

header, A (A1/A2)-pillar,

exterior object, (specify):

(019) Other front object (specify):

instrument panel, or mirror (passenger side only)

steering assembly (driver

(016) Windshield including one or

(017) Windshield reinforced by

- (105) Other right pillar (specify):
- (106) Right side window glass
- (107) Right side window frame (108) Right side window sill
- (109) Right side window glass including one or more of the following: frame, window

sill, A (A1/A2)-pillar, B-pillar,

or roof side rail. (110) Other right side object (specify):

ROOF

- (201) Front header
- (202) Rear header (203) Roof left side rail
- (204) Roof right side rail
- (205) Roof or convertible top

(190) Other air bag (specify)

cover (specify)

(195) Other air bag compartment

FLOOR

- (251) Floor (including toe pan)
- (252) Floor or console mounted transmission lever, including console
- (253) Parking brake handle
- (254) Foot controls including parking brake

CONFIDENCE LEVEL OF CONTACT

(411) Wall mounted head rest

(412) Other adaptive device

(specify):

(used behind wheel chair)

- **POINT** (1) Certain
- (2) Probable
- (3) Possible
- Unknown

MANUAL RESTRAINTS

NOTES: Encode the applicable data for each seat position in the vehicle. The attribute for the variable may be found below Restraint systems should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

If a child safety seat is present, encode the data on the back of this page 11.

If the vehicle has automatic restraints available, encode the appropriate data on page 6.

		Left	Center	Right
F	A-Availability	4		4
	B-Evidence of usage	4		4
l I R	C-Used in this crash?	0		Ó
S	D-Proper Use	Q	X	0
Т	E-Failure Modes	O		0
	F-Anchorage Adjustment			4
	A-Availability	4		4
s	B-Evidence of usage	Ц		0
Ě	C-Used in this crash?	0	\perp	0
SECOZD	D-Proper Use	0		0
	E-Failure Modes	O		0
	F-Anchorage Adjustment	1		1
	A-Availability	4	3	4
0	B-Evidence of usage	0	0	Ó
Ť	C-Used in this crash?	0	0	0
H	D-Proper Use	ð	0	0
R	E-Failure Modes	0	0	0
	F-Anchorage Adjustment		0	

A-Manual (Active) Belt System Availability

- (0) None available
- (1) Belt removed/destroyed
- (2) Shoulder belt
- (3) Lap belt
- (4) Lap and shoulder belt
- (5) Belt available type unknown

Integral Belt Partially Destroyed

- (6) Shoulder belt (lap belt destroyed/removed)
- (7) Lap belt (shoulder belt destroyed/removed)
- (8) Other belt (specify):
- (9) Unknown

B/C-Manual (Active) Belt System Use

- (00) None used, not available, or belt removed/destroyed
- (01) Inoperable (specify):
- (02) Shoulder belt
- (03) Lap belt
- (04) Lap and shoulder belt
- (05) Belt used type unknown
- (08) Other belt used (specify):
- (12) Shoulder belt used with child safety
- (13) Lap belt used with child safety seat
- (14) Lap and shoulder belt used with child safety seat
- (15) Belt used with child safety seat type unknown
- (18) Other belt used with child safety seat (specify):
- (99) Unknown if belt used

D-Proper Use of Manual (Active) Belts

- (0) None used or not available
- (1) Belt used properly
- (2) Belt used properly with child safety seat

Belt Used Improperly

- (3) Shoulder belt worn under arm
- (4) Shoulder belt worn behind back or seat
- (5) Belt worn around more than one person
- (6) Lap belt worn on abdomen
- (7) Lap belt or lap and shoulder belt used improperly with child safety seat (specify):
- (8) Other improper use of manual belt system (specify):
- (9) Unknown

E-Manual (Active) Belt Failure Modes During Accident

- (0) No manual belt used or not available
- (1) No manual belt failure(s)
- (2) Torn webbing (stretched webbing not included)
- (3) Broken buckle or latchplate
- (4) Upper anchorage separated
- (5) Other anchorage separated (specify):
- (6) Broken retractor
- (7) Combination of above (specify):
- (8) Other manual belt failure (specify):
- (9) Unknown

F-Shoulder Belt Upper Anchorage Adjustment

- (0) No shoulder belt
- (1) No upper anchorage adjustment for shoulder belt

Adjustable shoulder Belt Upper Anchorage

- (2) In full up position
- (3) In mid position
- (4) In full down position
- (5) Position unknown
- (9) Unknown if position has adjustable upper anchorage adjustment

AUTOMATIC RESTRAINTS

NOTES: Encode the data for each applicable front seat position. The attribute for the variables may be found below. Restraint systems should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

		AIN DAGO		
		Frontal Air BagsLeft Front	Frontal Air Bags-Right Front	OtherAir Bag
F R S T	Availability/Function	,	1	
	Deployment	/	/	$\perp \times$
	Failure	/		

Air Bag System Availability/Function

- (0) Not equipped/not available
- (1) Air bag

Non-functional

- (2) Air bag disconnected (specify):
- (3) Air bag not reinstalled
- (9) Unknown

Air Bag System Deployment (This Occupant Position)

- (0) Not equipped/not available
- (1) Deployed during accident (as a result of impact)
- (2) Deployed inadvertently just prior to accident
- (3) Deployed, accident sequence undetermined
- (4) Deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical)
- (5) Unknown if deployed
- (7) Nondeployed
- (9) Unknown

Are There Indications of Air Bag System Failure? (This Occupant Position)

- (0) Not equipped/not available
- (1) No
- (2) Yes (specify):
- (9) Unknown

AUTOMATIC BELTS

		Left	Right		
	A-Availability/Function				
F I R S T	B-Use				
	C-Type				
	D-Proper Use				
1	E-Failure Modes				

A-Automatic (Passive) Belt System Availability/Function

- (0) Not equipped/not available
- (1) 2 point automatic belts
- (2) 3 point automatic belts
- (3) Automatic belts type unknown

Non-functional

- (4) Automatic belts destroyed or rendered inoperative
- 9) Unknown

B-Automatic (Passive) Belt System Use

- (0) Not equipped/not available/destroyed or rendered inoperative
- (1) Automatic belt in use
- (2) Automatic belt not in use (manually disconnected, motorized track inoperative)
- (3) Automatic belt use unknown
- (9) Unknown

C-Automatic (Passive) Belt System Type

- (0) Not equipped/not available
- (1) Non-motorized system
- (2) Motorized system
- (9) Unknown

D-Proper Use of Automatic (Passive) Belt System

- (0) Not equipped/not available/not used
- (1) Automatic belt used properly
- (2) Automatic belt used properly with child safety seat

Automatic Belt Used Improperly

- (3) Automatic shoulder belt worn under arm
- (4) Automatic shoulder belt worn behind back
- (5) Automatic belt worn around more than one person
- (6) Lap portion of automatic belt worn on abdomen
- (7) Automatic lap and shoulder belt or

automatic shoulder belt used improperly with child safety seat (specify):

- (8) Other improper use of automatic belt system (specify):
- (9) Unknown

E-Automatic (Passive) Belt Failure Modes During Accident

- (0) Not equipped/not available/not in use
- (1) No automatic belt failure(s)
- (2) Torn webbing (stretched webbing not included)
- (3) Broken buckle or latchplate
- (4) Upper anchorage separated
- (5) Other anchorage separated (specify):
- (6) Broken retractor
- (7) Combination of above (specify):
- (8) Other automatic belt failure (specify):
- (9) Unknown

FIRST SEAT FRONTAL AIR BAGS

NOTES: Encode the applicable data *for the driver and first seat passenger* in the vehicle. The attribute for the variable may be found below. Restraint systems should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

	Driver	Passenger
A-Type of air bag?	/	/
B-Flaps open at tear points?	2	Ź
C-Flaps damaged?	1	
D-Air bag damaged?	/	j
E-Source of air bag damage	01	01
F-Air bag tethered?	/	2
G-Air bag have vent ports?	<u>2</u>	/
H-Other occupant contact air bag?	/	/
I-Occupant wearing eyewear?	1	/

A-Type of	Air Bag	
-----------	---------	--

- (0) Not equipped/not available
- (1) Original manufacturer installed system
- 2) Retrofitted air bag
- (3) Replacement air bag
- (8) Unknown type of air bag
- (9) Unknown

B-Did Air Bag Module Cover Flap(s) Open At Designated Tear Points?

- (0) Not equipped/not available
- (1) No
- (2) Yes
- (3) Deployed, unknown if flap(s) opened at designated tear points
- (7) Not deployed
- (8) Unknown if deployed
- (9) Unknown

C-Were Air Bag Module Cover Flap(s) Damaged?

- (0) Not equipped/not available
- (1) No
- (2) Yes (specify):
- (3) Deployed, unknown if air bag module cover flap(s) damaged
- (7) Not deployed
- (8) Unknown if deployed
- (9) Unknown

D-Was There Damage To The Air Bag?

- (00) Not equipped/not available
- (01) Not damaged

Yes - Air Bag Damage

- (02) Ruptured
- (03) Cut
- (04) Torn
- (05) Holed (06) Burned
- (07) Abraded
- (88) Other damage (specify):
- (95) Damaged, details unknown
- (96) Deployed, unknown if damaged
- (97) Not deployed
- (98) Unknown if deployed
- (99) Unknown

E-Source of Air Bag Damage

- (00) Not equipped/not available
- (01) Not damaged
- (02) Object worn by occupant, (specify):
- (03) Object carried by occupant, (specify):
- (04) Adaptive/assistive controls, (specify):
- (05) Fire in vehicle
- (06) Thermal burns
- (07) Rescue or emergency efforts
- (88) Other damage source (specify):
- (95) Damaged, unknown source
- (96) Deployed, unknown if damaged
- (97) Not deployed
- (98) Unknown if deployed
- (99) Unknown

F-Was The Air Bag Tethered?

- (0) Not equipped/not available
- (1) No
- (2) Yes (specify number of tether straps):
- (3) Deployed, unknown if tethered
- (7) Not deployed
- (8) Unknown if deployed
- (9) Unknown

G-Did The Air Bag Have Vent Ports?

- (0) Not equipped/not available
- (1) No
- (2) Yes (specify number of vent ports):
- (3) Deployed, unknown if vent ports present
- (7) Not deployed
- (8) Unknown if deployed
- (9) Unknown

H-Was the Air Bag in this Occupant's Position Contacted by Another Occupant?

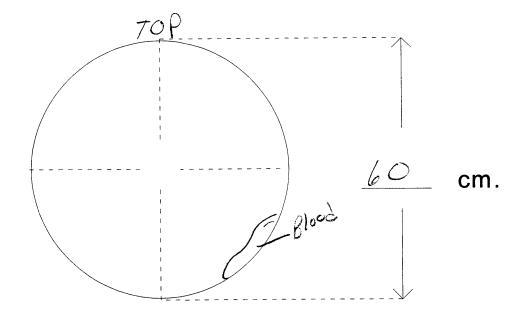
- (0) Not equipped/not available
- (1) No
- (2) Yes (specify):
- (3) Deployed, unknown if other occupant contact to air bag
- (7) Not deployed
- (8) Unknown if deployed
- (9) Unknown

I-Was This Occupant Wearing Eye-wear?

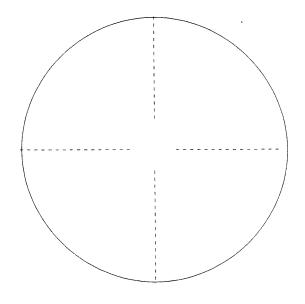
- (0) Not equipped/not available
- (1) No
- (2) Eyeglasses/sunglasses
- (3) Contact lenses
- (4) Deployed, unknown if eyewear worn
- (7) Not deployed
- (8) Unknown if deployed
- (9) Unknown

DRIVER AIR BAG DAMAGE AND CONTACT SKETCHES

1. SKETCH DAMAGE AND CONTACT EVIDENCE ON DRIVER AIR BAG (Front)



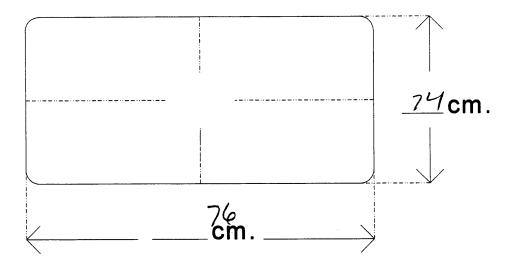
2. SKETCH DAMAGE AND CONTACT EVIDENCE ON DRIVER AIR BAG (Back)



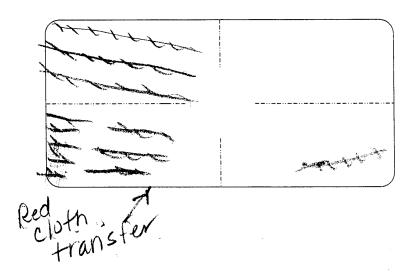
DRIVER AIR BAG S	KETCHES (Cont'd)
3. DRIVER AIR BAG MODULE COVER FLAP SIZE (SINGLE) width (W _U) width (W _L) height (H)	4. DRIVER AIR BAG MODULE COVER FLAP SIZE (DOUBLE) a. Upper Flap b. Lower Flap width (Wu) /8 width (WL) /8 height (Hu) 7 height (HL) 7
W_{U}	H ₁ H ₂ W ₃ H ₄ H ₄ H ₄ H ₄ H ₄ H ₄ H ₅ H ₄ H ₄ H ₄ H ₅ H ₅ H ₆ H ₇ H ₈
5. SKETCH OF OTHER TYPE OF AIR BAG MODULE FLAP AND SIZE	6. SKETCH OF OTHER TYPE OF AIR BAG VENT PORTS
7. SKETCH LOCATION OF CIRCULAR AIR BAG VENT PORTS 11 12 1 10 2 9 3 8 7 5 4	

PASSENGER AIR BAG DAMAGE AND CONTACT SKETCHES

1. SKETCH DAMAGE AND CONTACT EVIDENCE ON PASSENGER AIR BAG (Front)



2. SKETCH DAMAGE AND CONTACT EVIDENCE ON PASSENGER AIR BAG (Back)



PASSENGER AIR BAC	S SKETCHES (Cont'd)
3. PASSENGER AIR BAG MODULE COVER FLAP SIZE (SINGLE) width (W)	4. PASSENGER AIR BAG MODULE COVER FLAP SIZE (DOUBLE) a. Upper Flap width (W _U) width (W _L) height (H _U) height (H _L) H _U H _U W _U W _U W _U H _U
5. SKETCH OF OTHER TYPE OF AIR BAG MODULE FLAP AND SIZE	6. SKETCH OF OTHER TYPE OF AIR BAG VENT PORTS
7. SKETCH LOCATION OF RECTANGULAR AIR BAG VENT PORTS 10 11 12 1 2 9 3 8 7 6 5 4	

"OTHER" AIR BAG DAMAGE AND CONTACT SKETCHES
1. SKETCH DAMAGE AND CONTACT EVIDENCE ON "OTHER" AIR BAG (Front)
2. SKETCH DAMAGE AND CONTACT EVIDENCE ON "OTHER" AIR BAG (Back)

"OTHER" AIR BAG SKETCHES (Cont'd)	
3. SKETCH AIR BAG MODULE FLAP AND SIZE OR OPENING FOR AIRBAG	
4. SKETCH AIR BAG VENT PORTS	

HEAD RESTRAINTS/SEAT EVALUATION

NOTES: Encode the applicable data for each seat position in the vehicle. The attribute for these variables may be found on the next page. Head restraint type/damage and seat type/performance should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

		Left	Center	Right
	A-Head Restraint Type/Damage	1		1
F I R S	B-Seat Type	01		01
	C-Seat Orientation	1		/
	D-Seat Track Position	2		3
Ť	E-Seat Back Incline Pre/Post Impact	14		23
	F-Seat Performance	1		
	A-Head Restraint Type/Damage	0	\mathcal{O}	
	B-Seat Type	03	. 03	
S E	C-Seat Orientation			
CO	D-Seat Track Position	01	01	
Ň	E-Seat Back Incline Pre/Post Impact	1		
U	F-Seat Performance	1		
	A-Head Restraint Type/Damage	Ö		10
_	B-Seat Type	03	03	03
H	C-Seat Orientation	1	1	1
R	D-Seat Track Position	1	1	/
D	E-Seat Back Incline Pre/Post Impact	/		/
	F-Seat Performance	1		/
	A-Head Restraint Type/Damage			
0	B-Seat Type			
T H	C-Seat Orientation		X	X
E R	D-Seat Track Position			
'`	E-Seat Back Incline Pre/Post Impact			
	F-Seat Performance			

DESCRIBE ANY INDICATION OF ABNORMAL OCCUPANT POSTURE (I.E., UNUSUAL OCCUPANT CONTACT PATTERN)

HEAD RESTRAINTS/SEAT EVALUATION

A-Head Restraint Type/Damage by Occupant at This Occupant Position

- (0) No head restraints
- (1) Integral no damage (2) Integral damaged during accident
- (3) Adjustable no damage(4) Adjustable damaged during accident
- (5) Add-on no damage(6) Add-on damaged during accident
- (8) Other Specify):
- (9) Unknown

B-Seat Type (this Occupant Position)

- (00) Occupant not seated or no seat
- (01) Bucket
- (02) Bucket with folding back
- (03) Bench
- (04) Bench with separate back cushions
- (05) Bench with folding back(s)
- (06) Split bench with separate back cushions
- (07) Split bench with folding back(s)
- (08) Pedestal (i.e., column supported)
- (09) Box mounted seat (i.e., van type)
- (10) Other seat type (specify):
- (99) Unknown

C-Seat Orientation (this Occupant Position)

- Occupant not seated or no (0)seat
- Forward facing seat (1)
- Rear facing seat (2)
- (3)Side facing seat (inward)
- (4)Side facing seat (outward)
- (8) Other (specify):
- Unknown (9)

D-Seat Track Adjusted Position Prior To Impact

- (O) Occupant not seated or no
- Non-adjustable seat track (1)

Adjustable Seat Track

- Seat at forward most track position
- (3)Seat between forward most and middle track positions
- Seat at middle track position (4)
- (5)Seat between middle and rear most track positions
- (6)Seat at rear most track position
- (9) Unknown

E-Seat Back Incline Prior and Post Impact

- (00) Occupant not seated or no seat
- (O1) Not adjustable

Upright prior to impact

- (11) Moved to completely rearward position
- (12)Moved to rearward midrange position
- (13)Moved to slightly rearward position
- (14)Retained pre-impact position
- Moved to slightly forward (15)position
- Moved to forward midrange (16)position
- (17)Moved to completely forward position

Slightly reclined prior to impact

- (21) Moved to completely rearward position
- (22)Moved to rearward midrange position
- (23)Retained pre-impact postion
- (24)Moved to upright position
- Moved to slightly forward (25)position
- (26)Moved to forward midrange position
- Moved to completely forward position

Completely reclined prior to impact

- (31) Retained pre-impact position
- (32)Moved to rearward midrange position
- (33)Moved to slightly rearward position
- (34)Moved to upright position
- Moved to slightly forward (35)position
- (36)Moved to forward midrange position
- Moved to completely forward (37)position
- (99) Unknown

34 33

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14 15

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Coding diagrams for Seat Back Incline Position Prior and Post Impact

F-Seat Performance (this Occupant Position)

- (0)Occupant not seated or no seat (1)No seat performance failure(s)
- (2)Seat adjusters failed
- Seat back folding locks or "seat back" failed (specify):
- Seat tracks/anchors failed (4)
- Deformed by impact of occupant (5)
- (6)Deformed by passenger compartment intrusion (specify):
- Combination of above (specify): (7)
- (8) Other (specify):
- (9)Unknown

DESCRIBE ANY INDICATION OF

ABNORMAL OCCUPANT POSTURE

(I.E., UNUSUAL OCCUPANT

CONTACT PATTERN)

	CHILD S	AFETY SEA	T EIEI	D ASSE	SSMENT		
Wh the	en a child safety seat is present ent occupant's number using the code	er the occupant'	s numbe	er in the fi	rst row and c	omplete the co	olumn below at present.
	cupant Number						
1.	Type of Child Safety Seat			/_			
2.	Child Safety Seat Orientation						
3.	Child Safety Seat Harness Usage						
4.	Child Safety Seat Shield Usage						
5.	Child Safety Seat Tether Usage		1				
6.	Child Safety Seat Make/Model	Sp	ecify Be	low for E	ach Child Sa	fety Seat	
1. Type of Child Safety Seat (0) No child safety seat (1) Infant seat (2) Toddler seat (3) Convertible seat (4) Booster seat (7) Other type child safety seat (specify): (8) Unknown child safety seat type (9) Unknown if child safety seat used 2. Child Safety Seat Orientation (00) No child safety seat Designed for Rear Facing for This Age/Weight (01) Rear facing (02) Forward facing (08) Other orientation (specify): (09) Unknown orientation Designed for Forward Facing for This Age/Weight (11) Rear facing (12) Forward facing (13) Other orientation (specify): (19) Unknown orientation Unknown Design or Orientation For This Age/Weight, or Unknown Age/Weight (21) Rear facing (22) Forward facing (23) Other orientation (specify):		pe used This	4. 5.	Child Sar Note: Op (00) No Not Desi (01) Aft (02) Aft (03) Ch har (09) Un add (11) Ha (12) Ha (19) Un Unknow (21) Ha (22) Ha (29) Un (99) Un	child safety gned with Haler market haded, not used er market had safety searness/shield/tknown if harded or used d With Harne rness/shield/trness/shield/trness/shield/rness/shield/trness/shield/tknown if harden if Designer trness/shield/tknown if harden if Safety Seat Markety	eld Usage ther Usage Are Used for V seat arness/Shield/Terness/shield/ter at used, but no ether added ness/shield/ter tether not user tether used ness/shield/ter d With Harness tether used rness/shield/ter d With Harness tether used tether used rness/shield/ter d With Harness tether used tether used tether used tether used tether used tether used tether used	Tether ether used of after market ther wither ther der der s/Shield/Tether der dether used ther used wither used used
	(29) Unknown orientation						
	(99) Unknown if child safety sea	t used					

EJECTION No [] Yes [Describe indications of ejection and		volved in parti	al ejection(s):		
Occupant Number						
Ejection						
(Note on Vehicle Interior Sketch) Ejection Area						
Ejection Medium						
Medium Status						
Ejection (1) Complete ejection (2) Partial ejection (3) Ejection, Unknown degree (9) Unknown Ejection Area (1) Windshield (2) Left front (3) Right front (4) Left rear (5) Right rear	(9) Unknown (1) Door/ (2) Nonfi	e dium /hatch/tailgate xed roof struc	fy): eture	(8) O (9) U Mediun to Impa (1) O (2) C (3) Ir	nknown n Status (Ir	m (specify): nmediately Pri
(6) Rear	s[]	**************************************				
Component(s):						

OCCUPANT ASSESSMENT FORM

Form Approved O.M.B. No. 2127-0021

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

04	OCCUPANT'S SEATING
1. Primary Sampling Unit Number	10. Comments Seed Besides
2. Case Number - Stratum	10. Occupant's Seat Position/
3. Vehicle Number	(11) Left side (12) Middle
4. Occupant Number	(13) Right side
OCCUPANT'S CHARACTERISTICS	(14) Other (specify):(15) On or in the lap of another occupant
110	Second Seat
5. Occupant's Age Code actual age at time of accident.	(21) Left side
(00) Less than one year old (specify by month):	(22) Middle
(97) 97 years and older	(23) Right side (24) Other (specify):
(99) Unknown	(25) On or in the lap of another occupant
	Third Seat
6. Occupant's Sex	(31) Left side (32) Middle
(1) Male	(33) Right side
(2) Female-not reported pregnant	(34) Other (specify):
(3) Female-pregnant-1st trimester(1st-3rd month)(4) Female-pregnant-2nd trimester(4th-6th month)	(35) On or in the lap of another occupant
(5) Female-pregnant-3rd trimester(7th-9th month)	Fourth Seat
(6) Female-pregnant-term unknown	(41) Left side
(9) Unknown	(42) Middle (43) Right side
	(44) Other (specify):
000	(45) On or in the lap of another occupant
7. Occupant's Height Code actual height to the nearest	(97) In or on unenclosed area
centimeter.	(98) Other seat (specify):
(999) Unknown	(99) Unknown
inches X 2.54 = QQQ centimeters	
8. Occupant's Weight 49	11. Occupant's Posture (0) Normal posture
Code actual weight to the nearest kilogram.	
(999) Unknown	Abnormal posture (1) Kneeling or standing on seat
pounds X .4536 = 999 kilograms	(2) Lying on or across seat
pounds X .4536 = 1 kilograms	(3) Kneeling, standing or sitting in front of seat (4) Sitting sideways or turned to talk with
9. Occupant's Role	another occupant or to look out a rear window
(1) Driver	(5) Sitting on a console
(2) Passenger (9) Unknown	(6) Lying back in a reclined seat position (7) Bracing with feet or hands on a surface in
	front of seat
	(8) Other abnormal posture (specify):
	(9) Unknown

EJE	CTION/EN	NTRAPMENT
12. Ejection (0) No ejection (1) Complete ejection (2) Partial ejection (3) Ejection, unknown degree (9) Unknown		15. Medium Status (Immediately Prior To Impact) O (0) No ejection (1) Open (2) Closed (3) Integral structure (9) Unknown
13. Ejection Area (0) No ejection (1) Windshield (2) Left front (3) Right front (4) Left rear (5) Right rear (6) Rear (7) Roof (8) Other area (e.g., back of pickup, etc. (specify): (9) Unknown 14. Ejection Medium (0) No ejection (1) Door/hatch/tailgate (2) Nonfixed roof structure (3) Fixed glazing (4) Nonfixed glazing (specify): (5) Integral structure (8) Other medium (specify): (9) Unknown		16. Entrapment (0) Not entrapped/exit not inhibited (1) Entrapped/pinned - mechanically restrained (2) Could not exit vehicle due to jammed doors, fire, etc. (specify): (9) Unknown 17. Occupant Mobility (0) Occupant fatal before removed from vehicle (1) Removed from vehicle while unconscious or not oriented to time or place (2) Removed from vehicle due to perceived serious injuries (3) Exited vehicle with some assistance (4) Exited vehicle under own power (5) Occupant fully ejected (8) Removed from vehicle for other reasons (specify): (9) Unknown
·		

er Anchorage elt djustment for manual pper Anchorage as adjustable upper
system Availability/
system Use lable/destroyed or use (manually ed track inoperative)
System Type O
lable/not used properly properly with proper
Failure Modes ilable/not in use ure(s) ned webbing not included) hplate arated arated (specify): e (specify): failure (specify):

POLICE REPORTED RESTRAINT USE	AIR BAG SYSTEM FUNCTION
28. Police Reported Belt Use (0) None used (1) Police did not indicate belt use (2) Shoulder belt (3) Lap belt (4) Lap and shoulder belt (5) Belt used, type not specified (6) Child safety seat (7) Automatic belt (8) Other type belt, (specify):	30. Frontal Air Bag System Availability/Function (This Occupant Position) (0) Not equipped/not available (1) Air bag Non-functional (2) Air bag disconnected (specify): (3) Air bag not reinstalled (9) Unknown
(9) Police indicated "unknown" 29. Police Reported Air Bag Availability/Function (0) No air bag available (1) Police did not indicate air bag availability/function (2) Deployed (3) Not deployed (4) Unknown if deployed (9) Police indicated "unknown"	31. Frontal Air Bag System Deployment (This Occupant Position) (0) Not equipped/not available (1) Deployed during accident (as a result of impact) (2) Deployed inadvertently just prior to accident (3) Deployed, details unknown (4) Deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical) (5) Unknown if deployed (7) Nondeployed (9) Unknown
Check the Primary Source Used In Determining Belt Use. [32. Other Than First Seat Frontal Air Bag Availability/Function (This Occupant Position) (O) Not equipped/not available (1) Air bag Non-functional (2) Air bag disconnected (specify): (3) Air bag not reinstalled (9) Unknown Specify type of "other" air bag present:
	33. Air Bag(s) Deployment, Other Than First Seat Frontal (This Occupant Position) (0) Not equipped with an "other" air bag (1) Deployed during accident (as a result of impact) (2) Deployed inadvertently just prior to accident (3) Deployed, details unknown (4) Deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical) (5) Unknown if deployed (7) Nondeployed (9) Unknown 34. Are There Indications of Air Bag System Failure?
	(This Occupant Position) (0) Not equipped/not available (1) No (2) Yes (specify):

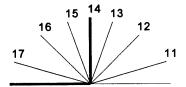
	FIRST SEAT FRONTAL AIR E	BAG SYSTEM EVALUATION
35.	Had Vehicle Been in Previous Accident(s)? (0) Not equipped/not available (1) No previous accidents Yes (2) Previous accident(s) without deployment(s) (3) One previous accident with deployment (4) More than one previous accident with at least one deployment (8) Previous accidents, unknown deployment status (9) Unknown	40. Longitudinal Component of Delta V For Air Bag Deployment Impact (_000) Not equipped/not available Code the value of the delta V for the impact that initiated the air bag deployment (_996) Deployment, unknown longitudinal Delta V (_997) Not deployed (_998) Unknown if deployed (_999) Unknown
36	Type of Air Bag (0) Not equipped/not available (1) Original manufacturer installed system (2) Retrofitted air bag (3) Replacement air bag (8) Unknown type of air bag (9) Unknown	41. Did Air Bag Module Cover Flap(s) Open At Designated Tear Points? (0) Not equipped/not available (1) No (2) Yes (3) Deployed, unknown if flap(s) opened at designated tear points (7) Not deployed (8) Unknown if deployed
	Had Any Prior Maintenance/Service Been Performed On This Air Bag System? (0) Not equipped/not available (1) No prior maintenance (2) Yes, prior maintenance (specify): (9) Unknown Air Bag Deployment Accident Event	(9) Unknown 42. Were Air Bag Module Cover Flap(s) Damaged? (0) Not equipped/not available (1) No (2) Yes (specify): (3) Deployed, unknown if air bag module cover flap(s) damaged (7) Not deployed
36	Sequence Number (00) Not equipped/not available Code the accident event sequence number that initiated the air bag deployment (96) Deployed, unknown event (97) Not deployed (98) Unknown if deployed (99) Unknown	(8) Unknown if deployed (9) Unknown 43. Was There Damage To The Air Bag? (00) Not equipped/not available (01) Not damaged Yes - Air Bag Damage (02) Ruptured (03) Cut (04) Torn
39	O. CDC For Air Bag Deployment Impact (0) Not equipped/not available (1) Highest delta V (2) Second highest delta V (3) Other non-coded delta V (specify): (6) Deployed, unknown event (7) Not deployed (8) Unknown if deployed (9) Unknown	(05) Holed (06) Burned (07) Abraded (88) Other damage (specify): (95) Damaged, details unknown (96) Deployed, unknown if damaged (97) Not deployed (98) Unknown if deployed (99) Unknown

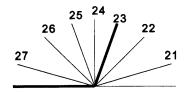
	FIRST SEAT FRONTAL AIR BAG SYSTEM EVALUATION continued	HEAD RESTRAINT AND SEAT EVALUATION
	EVALUATION continued	49. Head Restraint Type/Damage by Occupant
44.	Source of Air Bag Damage	at This Occupant Position
	(00) Not equipped/not available	(0) No head restraints
	(01) Not damaged	(1) Integral—no damage
	(02) Object worn by occupant, (specify):	(2) Integral-damaged during accident
		(3) Adjustable—no damage
	(03) Object carried by occupant, (specify):	(4) Adjustable—damaged during accident
	(OA) All distribution and the Consolitation	(5) Add-on-no damage
1	(04) Adaptive/assistive controls, (specify):	(6) Add-on-damaged during accident
	(05) Fire in vehicle	(8) Other (specify):
	(06) Thermal burns	(9) Unknown
	(07) Rescue or emergency efforts	(9) Unknown
	(88) Other damage source (specify):	50. Seat Type (this Occupant Position)
	(ab) Cambi Camage at a series (ap a any).	(00) Occupant not seated or no seat
ł	(95) Damaged, unknown source	(01) Bucket
i	(96) Deployed, unknown if damaged	(02) Bucket with folding back
	(97) Not deployed	(03) Bench
	(98) Unknown if deployed	(04) Bench with separate back cushions
1	(99) Unknown	(05) Bench with folding back(s)
	^	(06) Split bench with separate back cushions
45	Was The Air Bag Tethered?	(07) Split bench with folding back(s)
70.	(0) Not equipped/not available	(08) Pedestal (i.e., column supported)
i	(1) No	(09) Box mounted seat (i.e., van type)
ł	(2) Yes (specify number of tether straps):	(10) Other seat type (specify):
		(00)
	(3) Deployed, unknown if tethered	(99) Unknown
	(7) Not deployed	E4 Cost Orientation (this Occupant Basisian)
	(8) Unknown if deployed	51. Seat Orientation (this Occupant Position) (0) Occupant not seated or no seat
	(9) Unknown	(1) Forward facing seat
46.	Did The Air Bag Have Vent Ports?	(2) Rear facing seat
	(0) Not equipped/not available	(3) Side facing seat (inward)
	(1) No	(4) Side facing seat (outward)
	(2) Yes (specify number of vent ports):	(8) Other (specify):
1		
	(3) Deployed, unknown if vent ports present	(9) Unknown
	(7) Not deployed(8) Unknown if deployed	FO. O T I. Adi d Basikisa Brita Ta Isana ad
	(9) Unknown	52. Seat Track Adjusted Position Prior To Impact
	(5) OHKHOWH	(0) Occupant not seated or no seat (1) Non-adjustable seat track
47.	Was the Air Bag in this Occupant's Position	(1) Non-adjustable seat track
	Contacted by Another Occupant?	Adjustable Seat Track
1	(0) Not equipped/not available	(2) Seat at forward most track position
	(1) No	(3) Seat between forward most and middle track
	(2) Yes (specify):	positions
		(4) Seat at middle track position
	(3) Deployed, unknown if other occupant contact	(5) Seat between middle and rear most track
	to air bag	positions
	(7) Not deployed (8) Unknown if deployed	(6) Seat at rear most track position
	(9) Unknown	(9) Unknown
	(O) CHANGWII	
48	. Was This Occupant Wearing Eye-wear? $\qquad \qquad	
	(0) Not air bag equipped/air bag not available	
	(1) No	
	(2) Eyeglasses/sunglasses	
	(3) Contact lenses	
	(4) Deployed, unknown if eyewear worn	
	(7) Not deployed	
	(8) Unknown if deployed	
	(9) Unknown	

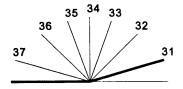
HEAD RESTRAINT AND SEAT E	VALUATION continue
3. Seat Back Incline Prior and Post Impact	
(00) Occupant not seated or no seat	
(O1) Not adjustable	
Upright prior to impact	
(11) Moved to completely rearward position	15
(12) Moved to rearward midrange position	16 \
(13) Moved to slightly rearward position	
(14) Retained pre-impact position	17
(15) Moved to slightly forward position	
(16) Moved to forward midrange position	
(17) Moved to completely forward position	
Slightly reclined prior to impact	
(21) Moved to completely rearward position	
(22) Moved to rearward midrange position	25
(23) Retained pre-impact position	26 \
(24) Moved to upright position	07
(25) Moved to slightly forward position	27
(26) Moved to forward midrange position	
(27) Moved to completely forward position	
Completely reclined prior to impact	
(31) Retained pre-impact position	
(32) Moved to rearward midrange position	35
(33) Moved to slightly rearward position	36 \
(34) Moved to upright position	\ \
(35) Moved to slightly forward position	37
(36) Moved to forward midrange position	
(37) Moved to completely forward position	
(99) Unknown	
4. Seat Performance (this Occupant Position)	
(0) Occupant not seated or no seat	
(1) No seat performance failure(s)	
(2) Seat adjusters failed	
(3) Seat back folding locks or "seat back" failed	
(specify):	
(4) Seat track/anchors failed	
(5) Deformed by impact of occupant .	
(6) Deformed by passenger compartment	
intrusion, (specify):	

(7) Combination of above (specify):

(8) Other (specify): _ (9) Unknown







	CHILD SA	FETY SEAT
55.	Child Safety Seat Make/Model (000) No child safety seat	58. Child Safety Seat Harness Usage
	Applicable codes are found in your NASS CDS Data Collection, Coding and Editing (950) Built-in child safety seat	59. Child Safety Seat Shield Usage
	(997) Other make/model (specify):	60. Child Safety Seat Tether Usage
	(998) Unknown make/model (999) Unknown if child safety seat used	Note: Options below applicable to Variables OA58-OA60. (OO) No child safety seat
56.	Type of Child Safety Seat (0) No child safety seat (1) Infant seat (2) Toddler seat (3) Convertible seat (4) Booster seat - with shield (5) Booster seat - without shield (7) Other type child safety seat (specify): (8) Unknown child safety seat type (9) Unknown if child safety seat used	Not Designed With Harness/Shield/Tether (01) After market harness/shield/tether added, not used (02) After market harness/shield/tether used (03) Child safety seat used, but no after market harness/shield/tether added (09) Unknown if harness/shield/tether added or used Designed With Harness/Shield/Tether
57.	Child Safety Seat Orientation (00) No child safety seat	(11) Harness/shield/tether not used (12) Harness/shield/tether used (19) Unknown if harness/shield/tether used Unknown If Designed With Harness/Shield/Tether
	Designed for Rear Facing for This Age/Weight (01) Rear facing (02) Forward facing (08) Other orientation (specify):	(21) Harness/shield/tether not used (22) Harness/shield/tether used (29) Unknown if harness/shield/tether used (99) Unknown if child safety seat used
	(09) Unknown orientation	(00) Chikhowh in china safety sout assa
	Designed For Forward Facing for This Age/Weight (11) Rear facing (12) Forward facing (18) Other orientation (specify): (19) Unknown orientation Unknown Design or Orientation For This Age/Weight, or Unknown Age/Weight	
	(21) Rear facing (22) Forward facing	
	(28) Other orientation (specify): (29) Unknown orientation	
	(99) Unknown if child safety seat used	

National Accident Sampling System-Crashworthine	ess Data System: Occupant Assessment Form	Page
INJURY CONSEQUENCES		
61. Injury Severity (Police Rating) (0) O - No injury (1) C - Possible injury (2) B - Nonincapacitating injury (3) A - Incapacitating injury (4) K - Killed (5) U - Injury, severity unknown (6) Died prior to accident (9) Unknown	63. Type Of Medical Facility (for Initial (0) Not treated at a medical facility (1) Trauma center (2) Hospital (3) Medical clinic (4) Physician's office (5) Treatment later at medical facility (8) Other (specify):	
62. Treatment - Mortality (0) No treatment (1) Fatal (2) Fatal - ruled disease (specify):	64. Hospital Stay (00) Not Hospitalized Code the number of days (up to that the occupant stayed in hospital (61) 61 days or more (99) Unknown	
 (3) Hospitalization (4) Transported and released (5) Treatment at scene - nontransported (6) Treatment later (7) Treatment - other (specify): (8) Transported to a medical facility-unknown treated (9) Unknown 	65. Working Days Lost Code the number of days (up through 60) that the occupant lost from work due to the accident (00) No working days lost (61) 61 days or more (62) Fatally injured (97) Not working prior to accident (99) Unknown	<u>0</u> 0
	RESPONSE INFORMATION	
(2) Notified (9) Unknown EMS NotificationTime (first unit) (9999) Unknown AIR VEHICL	(08) Mortuaries/funeral homes	ROAD VEHICLE
EMS Arrival Time (first unit)	ηF	

EMS cancelled or did not arrive **EMS Care** AIR VEHICLE ON-SCENE (9999)(01) No care administered Unknown First aid (02)ROAD VEHICLE (03)Resuscitation EMS Departure Time To. (04)CPR ROAD VEHICLE AIR VEHICLE Treatment Facility (transporting unit) (05)Emergency cardiac care (9997)EMS arrived, provided (06)Life support system monitoring (blood pressure, AIR VEHICLE treatment, but did not pulse rate, respiration, EKG) (07) Emergency burn care transport (9998)(80)Combination of above, specify: _ EMS arrived, but was not used (98)Other, specify: (9999)Unknown (99)Unknown EMS Arrival Time At ROAD VEHICLE Treatment Facility (9999) Unknown AIR VEHICLE

STOP WORK HERE VARIABLES 66-74 TO BE CODED BY THE ZONE CENTER

TO BE CODED BY THE ZONE CENTER

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71. Glasgow Coma Scale (GCS) Score (at Medical Facility) (00) Not injured (01) Injured - not treated at medical facility (02) No GCS Score at medical facility (03-15) Code the actual value of the initial GCS Score recorded at medical facility. (97) Injured, details unknown (99) Unknown if injured
72. Was the Occupant Given Blood? (1) No - blood not given (2) Yes - blood given (specify units): (9) Unknown if blood given
73. Arterial Blood Gases (ABG) – HCO ₃ (00) Not injured (01) Injured, ABGs not measured or reported (02-50) Code the actual value of the HCO ₃ (96) ABGs reported, HCO ₃ unknown (97) Injured, details unknown (99) Unknown if injured
BELT USE DETERMINATION
74. Primary Source of Belt Use Determination (0) Not equipped/not available/destroyed or rendered inoperative (1) Vehicle inspection (2) Official injury data (3) Driver/occupant interview (8) Other (specify): (9) Unknown if belt used



Administration

U.S. Department of Transportation **National Highway Traffic Safety**

OCCUPANT INJURY FORM

Form Approved O.M.B. No. 2127-0021

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

1. Primary Sampling Unit Number

2. Case Number - Stratum

3. Vehicle Number

4. Occupant Number

INJURY DATA

Record below the actual injuries sustained by this occupant that were identified from the official and unofficial data sources. Remember not to double count an injury just because it was identified from two different sources. If greater than ten injuries have been documented, encode the balance on the Occupant Injury Supplement.

	A.I.S 90							Occupant		
	Source of Injury Body	Type of Anatomic	Specific Anatomic	Level of	A.I.S.		Injury	Source Confidence	Direct/ Indirect	Area Intrusio
	Data Region	Structure	Structure	Injury	Severity	Aspect	Source	Level	Injury	Numbe
1st	5. 3 6. 7	7.5	8.28	9. <u>02</u>	10. 2	11.2	12. <u>053</u>	13.2	14	15. <u>O</u> C
2nd	16 17	18	19	20	21	22	23	24	25	26
3rd	27 28	29	30	31	32	33	34.	35.	36	37
4th	38 39	40	41. 🔼	42	43.	44	45	46	47	48
5th	49 50	51.	52	53	54	55	56	57	58	59
6th	60 61	62	63	64	65	66	67	68.	69	70
7th	71 72	73	74	75	76	77	78.	79. <u> </u>	80	81
8th	8283	84	86.	86	87	88	89.	90	91	92
9th	93 94	95	96	97	98	99 1	00.	101	102	103
10th	104 105	106 1	07	108	109	110 1	11.	112	113	114

OCCUPANT INJURY DATA											
	Source of Injury Data	Body Region	Type of Anatomic Structure	A.I.S 90 Specific Anatomic Structure		A.I.S. Severity	Aspect	Injury Source	Injury Source Confidence Level	Direct/ Indirect Injury	Occupant Area Intrusion Number
11th	_			· ·			_		_		
12th							·				
13th	<u> </u>				· · · · · · · · · · · · · · · · · · ·	-					
14th	——									-4c	
15th	· <u></u> .										
16th											
17th											
18th	·										
19th											
20th							<u>. </u>				
21st						_					
22nd							 -				
23rd											
24th											
25th											

. .

OCCUPANT INJURY CLASSIFICATION

Body Region (1) Head Face (2)Neck (3) Thorax (4)(5) Abdomen (6)Spine **Upper Extremity** (7)**Lower Extremity** (8) Unspecified (9) Type of Anatomic

Structure

- Whole Area (2) Vessels
- (3) **Nerves**
- (4) Organs (includes Muscles/ligaments)
- Skeletal (includes (5) ioints)
- Head LOC (6)
- (9) Skin

Specific Anatomic Structure

Vessels, Nerves, Organs, Bones, Joints are assigned consecutive two digit numbers beginning with 02.

The exceptions to this rule apply to:

Whole Area (02) Skin - Abrasion (04) Skin - Contusion (06) Skin - Laceration (08) Skin - Avulsion (10) Amputation (20) Burn (30) Crush (40) Degloving (50) Injury - NFS (90) Trauma, other than

Head - LOC (02) Length of LOC

mechanical

- (04) Level (06) of
- (08) Consciousness
- (10) Concussion

Spine

- (02) Cervical (04) Thoracic
- (06) Lumbar

Level of Injury

Specific injuries are assigned consecutive two-digit numbers beginning with 02.

To the extent possible, within the organizational framework of the AIS, 00 is assigned to an injury NFS as to severity or where only one injury is given in the dictionary for that anatomic structure. 99 is assigned to any injury NFS as to lesion or severity.

Abbreviated Injury Scale

- Minor Injury (1)
- Moderate Injury (2)
- (3)Serious Injury
- (4)Severe Injury
- (5) Critical Injury
- (6) Maximum (untreatable)
- (7) Injured, unknown severity

Aspect

- Right (1)
- (2)Left
- Bilateral (3)
- (4) Central
- (5)Anterior (6)Posterior
- (7)Superior
- (8)Inferior
- (9) Unknown

DIRECT/INDIRECT INJURY

(O) Whole region

SOURCE OF INJURY DATA CONFIDENCE LEVEL OFFICIAL RECORDS (1) Direct contact injury (1) Autopsy records with or (1) Certain (2) Indirect contact injury (2) Probable without hospital/medical (3) Possible (3) Noncontact injury records (7) Injured, unknown source (2) Hospital/medical records other (9) Unknown than emergency room (e.g., discharge summary) (3) Emergency room records only (including associated X-rays or other lab reports) (4) Private physician, walk-in or emergency clinic **UNOFFICIAL RECORDS** (5) Lay coroner report (6) E.M.S. personnel (7) Interviewee (8) Other source (specify): (9) Police

INJURY SOURCE

INJURY SOURCES FRONT (102) Right side hardware or (183) Air bag-passenger side and (411) Wall mounted head rest (001) Windshield object held (used behind wheel chair) (002) Mirror (103) Right A (A1/A2)-pillar (184) Air bag-passenger side and (412) Other adaptive device (104) Right B-pillar (003) Sunvisor object in mouth (specify): (004) Steering wheel rim (105) Other right pillar (specify): (185) Air bag compartment (005) Steering wheel hub/spoke cover-passenger side (006) Steering wheel (combination (106) Right side window glass (186) Air bag compartment EXTERIOR of OCCUPANT'S of codes 004 and 005) (107) Right side window frame cover-passenger side and VEHICLE (007) Steering column, (108) Right side window sill (451) Hood eyewear transmission selector lever. (109) Right side window glass (187) Air bag compartment (452) Outside hardware (e.g., other attachment including one or more of the cover-passenger side and outside mirror, antenna) (008) Cellular telephone or CB following: frame, window iewelry (453) Other exterior surface or sill, A (A1/A2)-pillar, B-pillar, (188) Air bag compartment tires (specify): (009) Add on equipment (e.g., or roof side rail. cover-passenger side and tape deck, air conditioner) (110) Other right side object object held (010) Left instrument panel and (specify): (189) Air bag compartment (454) Unknown exterior objects below cover-passenger side and (011) Center instrument panel and **EXTERIOR OF OTHER MOTOR** object in mouth (190) Other air bag (specify) below INTERIOR VEHICLE (012) Right instrument panel and (151) Seat, back support (501) Front bumper below (152) Belt restraint webbing/buckle (195) Other air bag compartment (502) Hood edge (013) Glove compartment door (153) Belt restraint B-pillar or door cover (specify) (503) Other front of vehicle (014) Knee bolster frame attachment point (specify): (015) Windshield including one or (154) Other restraint system more of the following: front component (specify): ROOF (504) Hood header, A (A1/A2)-pillar, (201) Front header (505) Hood ornament instrument panel, mirror, or (155) Head restraint system (202) Rear header (506) Windshield, roof rail, A-pillar steering assembly (driver (160) Other occupants (specify): (203) Roof left side rail (507) Side surface side only) (204) Roof right side rail (508) Side mirrors (016) Windshield including one or (161) Interior loose objects (205) Roof or convertible top (509) Other side protrusions more of the following: front (162) Child safety seat (specify): (specify): header, A (A1/A2)-pillar, **FLOOR** (163) Other interior object (251) Floor (including toe pan) instrument panel, or mirror (510) Rear surface (passenger side only) (specify): (252) Floor or console mounted (511) Undercarriage (017) Windshield reinforced by transmission lever, including (512) Tires and wheels exterior object (specify) console (513) Other exterior of other motor AIR BAG (253) Parking brake handle vehicle (specify): (019) Other front object (specify): (170) Air bag-driver side (254) Foot controls including (171) Air bag-driver side and (514) Unknown exterior of other parking brake evewear motor vehicle LEFT SIDE (172) Air bag-driver side and REAR (051) Left side interior surface, iewelry (301) Backlight (rear window) OTHER VEHICLE OR OBJECT IN (302) Backlight storage rack, excluding hardware or (173) Air bag-driver side and object THE ENVIRONMENT armrests held door, etc. (551) Ground (052) Left side hardware or (174) Air bag-driver side and object (303) Other rear object (specify): (598) Other vehicle or object in mouth (specify): (053) Left A (A1/A2)-pillar (175) Air bag compartment (054) Left B-pillar cover-driver side ADAPTIVE (ASSISTIVE) DRIVING (599) Unknown vehicle or object (055) Other left pillar (specify): (176) Air bag compartment **EQUIPMENT** cover-driver side and (401) Hand controls for NONCONTACT INJURY (056) Left side window glass evewear braking/acceleration (601) Fire in vehicle (057) Left side window frame (177) Air bag compartment (402) Steering control devices (602) Flying glass (058) Left side window sill cover-driver side and jewelry (attached to OEM steering (603) Other noncontact injury (059) Left side window glass (178) Air bag compartment wheel) source including one or more of the cover-driver side and object (403) Steering knob attached to (specify): following: frame, window steering wheel held (604) Air bag exhaust gases sill, A (A1/A2)-pillar, B-pillar, (179) Air bag compartment (405) Replacement steering wheel (697) Injured, unknown source or roof side rail. cover-driver side and object (i.e., reduced diameter) (060) Other left side object in mouth (406) Joy stick steering controls (specify): (180) Air bag-passenger side (407) Wheelchair tie-downs (181) Air bag-passenger side and (408) Modification to seat belts, evewear (specify): RIGHT SIDE (182) Air bag-passenger side and (409)Additional or relocated (101) Right side interior surface, jewelry switches, (specify): excluding hardware or armrests (410) Raised roof

OFFICIAL INJURY DATA — SOFT TISSUE INJURIES

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)

Restrained?

___No

___ Yes

Blood Alcohol Level (mg/dl)

BAL =

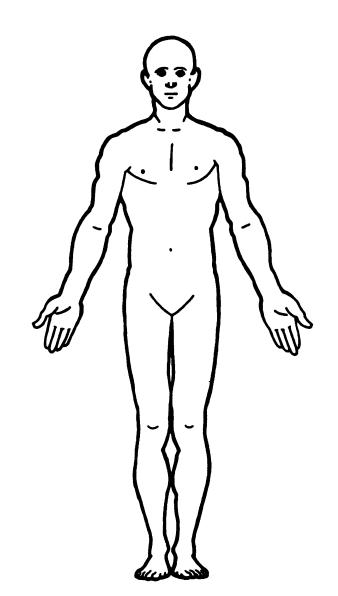
Glasgow Coma Scale Score

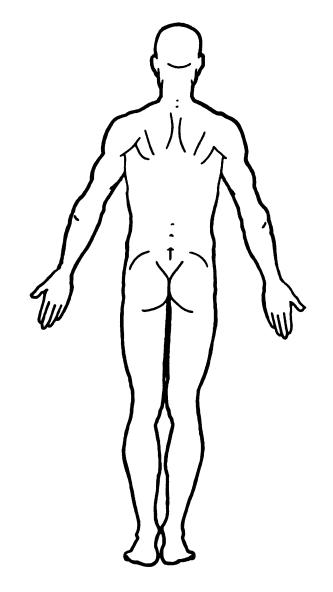
GCSS =

Units of Blood Given

Units =

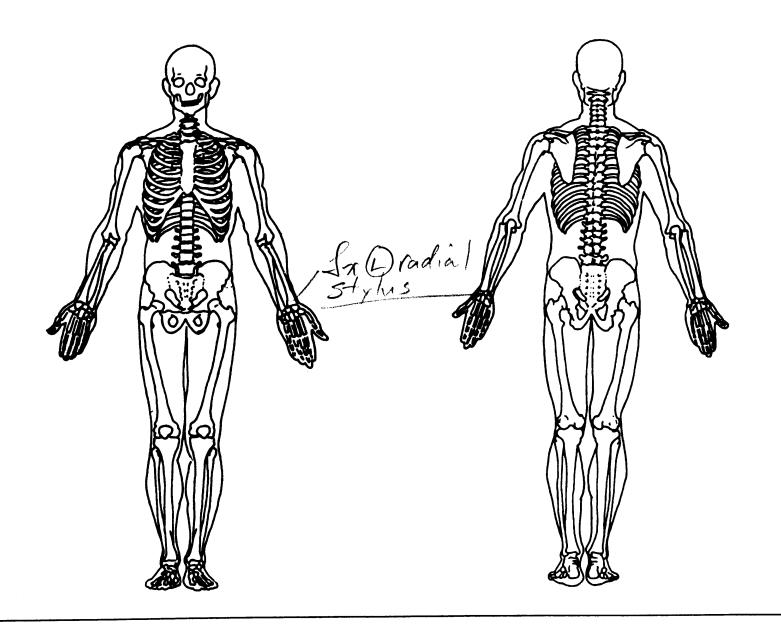
Arterial Blood Gases



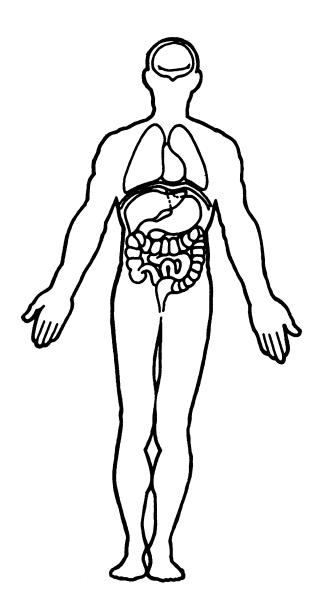


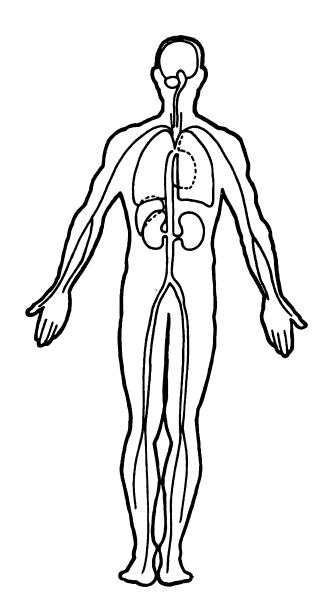
OFFICIAL INJURY DATA — SKELETAL INJURIES

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)



Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)





OCCUPANT ASSESSMENT FORM

Form Approved O.M.B. No. 2127-0021

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

OCCUPANT'S SEATING 1. Primary Sampling Unit Number 10. Occupant's Seat Position 2. Case Number - Stratum Front Seat (11) Left side 3. Vehicle Number (12) Middle (13) Right side 4. Occupant Number (14) Other (specify): OCCUPANT'S CHARACTERISTICS (15) On or in the lap of another occupant Second Seat 5. Occupant's Age Code actual age at time of accident. (21) Left side (22) Middle (00) Less than one year old (specify by month): (23) Right side (97) 97 years and older (24) Other (specify): (99) Unknown (25) On or in the lap of another occupant Third Seat (31) Left side 6. Occupant's Sex (32) Middle (1) Male (33) Right side (34) Other (specify): (2) Female-not reported pregnant (35) On or in the lap of another occupant (3) Female-pregnant-1st trimester(1st-3rd month) (4) Female-pregnant-2nd trimester(4th-6th month) (5) Female-pregnant-3rd trimester(7th-9th month) Fourth Seat (6) Female-pregnant-term unknown (41) Left side (42) Middle (9) Unknown (43) Right side (44) Other (specify): (45) On or in the lap of another occupant 7. Occupant's Height Code actual height to the nearest (97) In or on unenclosed area centimeter. (98) Other seat (specify): (999) Unknown (99) Unknown 52 inches X 2.54 = 132 centimeters 11. Occupant's Posture 8. Occupant's Weight (O) Normal posture Code actual weight to the nearest kilogram. Abnormal posture (999) Unknown (1) Kneeling or standing on seat (2) Lying on or across seat 5 pounds X .4536 = 02 5 kilograms (3) Kneeling, standing or sitting in front of seat (4) Sitting sideways or turned to talk with another occupant or to look out a rear 9. Occupant's Role window (1) Driver (5) Sitting on a console (2) Passenger (6) Lying back in a reclined seat position (9) Unknown (7) Bracing with feet or hands on a surface in front of seat (8) Other abnormal posture (specify): (9) Unknown

EJECTION/ENTRAPMENT					
12. Ejection (0) No ejection (1) Complete ejection (2) Partial ejection (3) Ejection, unknown degree (9) Unknown		15. Medium Status (Immediately Prior To Impact) (0) No ejection (1) Open (2) Closed (3) Integral structure (9) Unknown			
13. Ejection Area (0) No ejection (1) Windshield (2) Left front (3) Right front (4) Left rear (5) Right rear (6) Rear (7) Roof (8) Other area (e.g., back of pickup, etc.) (specify): (9) Unknown 14. Ejection Medium (0) No ejection (1) Door/hatch/tailgate (2) Nonfixed roof structure (3) Fixed glazing (4) Nonfixed glazing (specify): (5) Integral structure (8) Other medium (specify): (9) Unknown	<u>O</u>	16. Entrapment (0) Not entrapped/exit not inhibited (1) Entrapped/pinned - mechanically restrained (2) Could not exit vehicle due to jammed doors, fire, etc. (specify):			

BELT SYSTEM FUNCTION						
18	Manual (Active) Belt System Availability (0) None available (1) Belt removed/destroyed (2) Shoulder belt (3) Lap belt (4) Lap and shoulder belt (5) Belt available—type unknown Integral Belt Partially Destroyed (6) Shoulder belt (lap belt destroyed/removed)	22. Manual Shoulder Belt Upper Anchorage Adjustment (0) No manual shoulder belt (1) No upper anchorage adjustment for manual shoulder belt Adjustable shoulder Belt Upper Anchorage (2) In full up position (3) In mid position (4) In full down position				
19	(7) Lap belt (shoulder belt destroyed/removed) (8) Other belt (specify): (9) Unknown . Manual (Active) Belt System Use (00) None used, not available, or belt removed/destroyed (01) Inoperative (specify): (02) Shoulder belt	(5) Position unknown (9) Unknown if position has adjustable upper anchorage adjustment 23. Automatic (Passive) Belt System Availability/ Function (0) Not equipped/not available (1) 2 point automatic belts (2) 3 point automatic belts (3) Automatic belts - type unknown Non-functional (4) Automatic belts destroyed or rendered				
	 (03) Lap belt (04) Lap and shoulder belt (05) Belt used—type unknown (08) Other belt used (specify): (12) Shoulder belt used with child safety seat (13) Lap belt used with child safety seat (14) Lap and shoulder belt used with child safety seat (15) Belt used with child safety seat—type unknown (18) Other belt used with child safety seat 	inoperative (9) Unknown 24. Automatic (Passive) Belt System Use (0) Not equipped/not available/destroyed or rendered inoperative (1) Automatic belt in use (2) Automatic belt not in use (manually disconnected, motorized track inoperative) (specify): (3) Automatic belt use unknown (9) Unknown				
20	(specify): (99) Unknown if belt used Proper Use of Manual (Active) Belts (0) None used or not available (1) Belt used properly (2) Belt used properly with child safety seat	25. Automatic (Passive) Belt System Type (0) Not equipped/not available (1) Non-motorized system (2) Motorized system (9) Unknown 26. Proper Use of Automatic (Passive) Belt System				
	 Belt Used Improperly (3) Shoulder belt worn under arm (4) Shoulder belt worn behind back or seat (5) Belt worn around more than one person (6) Lap belt worn on abdomen (7) Lap belt or lap and shoulder belt used improperly with child safety seat (specify): (8) Other improper use of manual belt system (specify): (9) Unknown 	(0) Not equipped/not available/not used (1) Automatic belt used properly (2) Automatic belt used properly with child safety seat Automatic Belt Used Improperly (3) Automatic shoulder belt worn under arm (4) Automatic shoulder belt worn behind back (5) Automatic belt worn around more than one person (6) Lap portion of automatic belt worn on abdomen (7) Automatic lap and shoulder belt or				
2	 Manual (Active) Belt Failure Modes During Accident (0) No manual belt used or not available (1) No manual belt failure(s) (2) Torn webbing (stretched webbing not included) (3) Broken buckle or latchplate (4) Upper anchorage separated (5) Other anchorage separated (specify): (6) Broken retractor (7) Combination of above (specify): (8) Other manual belt failure (specify): (9) Unknown 	automatic shoulder belt used improperly with child safety seat (specify): (8) Other improper use of automatic belt system (specify): (9) Unknown 27. Automatic (Passive) Belt Failure Modes During Accident (0) Not equipped/not available/not in use (1) No automatic belt failure(s) (2) Torn webbing (stretched webbing not included) (3) Broken buckle or latchplate (4) Upper anchorage separated (5) Other anchorage separated (specify): (6) Broken retractor (7) Combination of above (specify): (8) Other automatic belt failure (specify):				
		(9) Unknown				

POLICE REPORTED RESTRAINT USE	AIR BAG SYSTEM FUNCTION
28. Police Reported Belt Use (0) None used (1) Police did not indicate belt use (2) Shoulder belt (3) Lap belt (4) Lap and shoulder belt (5) Belt used, type not specified (6) Child safety seat (7) Automatic belt (8) Other type belt, (specify):	30. Frontal Air Bag System Availability/Function (This Occupant Position) (0) Not equipped/not available (1) Air bag Non-functional (2) Air bag disconnected (specify): (3) Air bag not reinstalled (9) Unknown
(9) Police indicated "unknown" 29. Police Reported Air Bag Availability/Function (0) No air bag available (1) Police did not indicate air bag availability/function (2) Deployed (3) Not deployed (4) Unknown if deployed (9) Police indicated "unknown"	 31. Frontal Air Bag System Deployment (This Occupant Position) (0) Not equipped/not available (1) Deployed during accident (as a result of impact) (2) Deployed inadvertently just prior to accident (3) Deployed, details unknown (4) Deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical) (5) Unknown if deployed (7) Nondeployed (9) Unknown
Check the Primary Source Used In Determining Belt Use. [V] Vehicle inspection [] Official injury data [] Driver/occupant interview [] Other (specify): [] Unknown if belt used	32. Other Than First Seat Frontal Air Bag Availability/Function (This Occupant Position) (0) Not equipped/not available (1) Air bag Non-functional (2) Air bag disconnected (specify): (3) Air bag not reinstalled (9) Unknown Specify type of "other" air bag present:
	33. Air Bag(s) Deployment, Other Than First Seat Frontal (This Occupant Position) (0) Not equipped with an "other" air bag (1) Deployed during accident (as a result of impact) (2) Deployed inadvertently just prior to accident (3) Deployed, details unknown (4) Deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical) (5) Unknown if deployed (7) Nondeployed (9) Unknown
	34. Are There Indications of Air Bag System Failure? (This Occupant Position) (0) Not equipped/not available (1) No (2) Yes (specify): (9) Unknown

FIRST SEAT FRONTAL AIR BAG SYSTEM EVALUATION						
35. Had Vehicle Been in Previous Accident(s)? (0) Not equipped/not available (1) No previous accidents Yes (2) Previous accident(s) without deployment(s) (3) One previous accident with deployment (4) More than one previous accident with at least one deployment (8) Previous accidents, unknown deployment status (9) Unknown	40. Longitudinal Component of Delta V For Air Bag Deployment Impact (_000) Not equipped/not available Code the value of the delta V for the impact that initiated the air bag deployment (_996) Deployment, unknown longitudinal Delta V (_997) Not deployed (_998) Unknown if deployed (_999) Unknown					
36. Type of Air Bag (0) Not equipped/not available (1) Original manufacturer installed system (2) Retrofitted air bag (3) Replacement air bag (8) Unknown type of air bag (9) Unknown	41. Did Air Bag Module Cover Flap(s) Open At Designated Tear Points? (0) Not equipped/not available (1) No (2) Yes (3) Deployed, unknown if flap(s) opened at designated tear points (7) Not deployed (8) Unknown if deployed					
37. Had Any Prior Maintenance/Service Been Performed On This Air Bag System? (0) Not equipped/not available (1) No prior maintenance (2) Yes, prior maintenance (specify): (9) Unknown 38. Air Bag Deployment Accident Event Sequence Number	(9) Unknown 42. Were Air Bag Module Cover Flap(s) Damaged? (0) Not equipped/not available (1) No (2) Yes (specify): Scrand by Occup (3) Deployed, unknown if air bag module cover flap(s) damaged (7) Not deployed (8) Unknown if deployed					
(OO) Not equipped/not available Code the accident event sequence number that initiated the air bag deployment (96) Deployed, unknown event (97) Not deployed (98) Unknown if deployed (99) Unknown	(9) Unknown 43. Was There Damage To The Air Bag? (00) Not equipped/not available (01) Not damaged Yes - Air Bag Damage (02) Ruptured (03) Cut (04) Torn (05) Holed					
39. CDC For Air Bag Deployment Impact (0) Not equipped/not available (1) Highest delta V (2) Second highest delta V (3) Other non-coded delta V (specify): (6) Deployed, unknown event (7) Not deployed (8) Unknown if deployed (9) Unknown	(06) Burned (07) Abraded (88) Other damage (specify): (95) Damaged, details unknown (96) Deployed, unknown if damaged (97) Not deployed (98) Unknown if deployed (99) Unknown					

	FIRST SEAT FRONTAL AIR BAG SYSTEM EVALUATION continued		HEAD RESTRAINT AND SEAT EVALUATION
44.	Source of Air Bag Damage (00) Not equipped/not available (01) Not damaged (02) Object worn by occupant, (specify): (03) Object carried by occupant, (specify): (04) Adaptive/assistive controls, (specify): (05) Fire in vehicle (06) Thermal burns		49. Head Restraint Type/Damage by Occupant at This Occupant Position (0) No head restraints (1) Integral—no damage (2) Integral—damaged during accident (3) Adjustable—no damage (4) Adjustable—damaged during accident (5) Add-on—no damage (6) Add-on—damaged during accident (8) Other (specify):
45	 (07) Rescue or emergency efforts (88) Other damage source (specify): (95) Damaged, unknown source (96) Deployed, unknown if damaged (97) Not deployed (98) Unknown if deployed (99) Unknown Was The Air Bag Tethered? 	_ 	50. Seat Type (this Occupant Position) (00) Occupant not seated or no seat (01) Bucket (02) Bucket with folding back (03) Bench (04) Bench with separate back cushions (05) Bench with folding back(s) (06) Split bench with separate back cushions (07) Split bench with folding back(s)
13.	(0) Not equipped/not available (1) No (2) Yes (specify number of tether straps): (3) Deployed, unknown if tethered (7) Not deployed (8) Unknown if deployed (9) Unknown		(08) Pedestal (i.e., column supported) (09) Box mounted seat (i.e., van type) (10) Other seat type (specify): (99) Unknown 51. Seat Orientation (this Occupant Position) (0) Occupant not seated or no seat (1) Forward facing seat
46.	Did The Air Bag Have Vent Ports? (0) Not equipped/not available (1) No (2) Yes (specify number of vent ports): (3) Deployed, unknown if vent ports present (7) Not deployed (8) Unknown if deployed (9) Unknown		(2) Rear facing seat (3) Side facing seat (inward) (4) Side facing seat (outward) (8) Other (specify): (9) Unknown 52. Seat Track Adjusted Position Prior To Impact (0) Occupant not seated or no seat
47.	Was the Air Bag in this Occupant's Position Contacted by Another Occupant? (0) Not equipped/not available (1) No (2) Yes (specify): (3) Deployed, unknown if other occupant conto air bag (7) Not deployed (8) Unknown if deployed (9) Unknown	tact	 (1) Non-adjustable seat track Adjustable Seat Track (2) Seat at forward most track position (3) Seat between forward most and middle track positions (4) Seat at middle track position (5) Seat between middle and rear most track positions (6) Seat at rear most track position (9) Unknown
48.	Was This Occupant Wearing Eye-wear? (0) Not air bag equipped/air bag not available (1) No (2) Eyeglasses/sunglasses (3) Contact lenses (4) Deployed, unknown if eyewear worn (7) Not deployed (8) Unknown if deployed (9) Unknown	4	

- 53. Seat Back Incline Prior and Post Impact
- 23
- (00) Occupant not seated or no seat(01) Not adjustable

Upright prior to impact

- (11) Moved to completely rearward position
- (12) Moved to rearward midrange position
- (13) Moved to slightly rearward position
- (14) Retained pre-impact position
- (15) Moved to slightly forward position
- (16) Moved to forward midrange position
- (17) Moved to completely forward position

Slightly reclined prior to impact

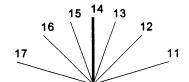
- (21) Moved to completely rearward position
- (22) Moved to rearward midrange position
- (23) Retained pre-impact position .
- (24) Moved to upright position
- (25) Moved to slightly forward position
- (26) Moved to forward midrange position
- (27) Moved to completely forward position

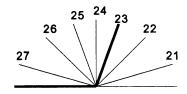
Completely reclined prior to impact

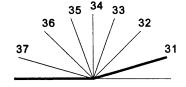
- (31) Retained pre-impact position
- (32) Moved to rearward midrange position
- (33) Moved to slightly rearward position
- (34) Moved to upright position
- (35) Moved to slightly forward position
- (36) Moved to forward midrange position
- (37) Moved to completely forward position
- (99) Unknown
- 54. Seat Performance (this Occupant Position)
 - (0) Occupant not seated or no seat
 - (1) No seat performance failure(s)
 - (2) Seat adjusters failed
 - (3) Seat back folding locks or "seat back" failed (specify):
 - (4) Seat track/anchors failed
 - (5) Deformed by impact of occupant
 - (6) Deformed by passenger compartment intrusion, (specify):

1	71	Combination	οf	ahove	Ispecify	۸٠
- 1	,,,	Combination	\mathbf{v}	45040	OPCOLL	,,,

- (8) Other (specify):
- (9) Unknown







		CHILD SAF	ETY	SEA	AT .	
55. Child Safety Sea (000) No child s			58. (Child	Safety Seat Harness Usag	je O
Applicable code: Data Collection, (950) Built-in ch	s are found in your NASS Coding and Editing ild safety seat		59. (Child	Safety Seat Shield Usage	<u>00</u>
(998) Unknown		_			Safety Seat Tether Usage	
	if child safety seat used		,	Varia	Options below applicable bles OA58-OA60. No child safety seat	15
(7) Other type of (8) Unknown ch	ety seat seat	<u>)</u>): -		(01) (02) (03) (09) <i>Desig</i>	Designed With Harness/Shir After market harness/shie added, not used After market harness/shie Child safety seat used, but harness/shield/tether added Unknown if harness/shield added or used med With Harness/Shield/Tharness/shield/Tharness/shield/tether not	ld/tether Id/tether used It no after market Id/tether Id/tether
57. Child Safety Sea (00) No child sa Designed for Re (01) Rear facing (02) Forward fa	afety seat <i>ar Facing for This Age/W</i> 9	<u> </u>		(12) (19) <i>Unkn</i> (21) (22)	Harness/shield/tether used Unknown if harness/shield with Harness/shield/tether not Harness/shield/tether used Unknown if harness/shield	d d/tether used <i>ness/Shield/Tether</i> used d
	ntation (specify):				Unknown if child safety s	
(11) Rear facing (12) Forward fac (18) Other ories (19) Unknown Design Age/Weight, or (21) Rear facing (22) Forward fac (28) Other ories (29) Unknown	acing ntation (specify): orientation n or Orientation For This Unknown Age/Weight g acing ntation (specify):					

National Accident Sampling System-Crashworthiness Da	ata System: Occupant Assessment Form Page
INJURY CONSEQUENCES	
61. Injury Severity (Police Rating) (0) O - No injury (1) C - Possible injury (2) B - Nonincapacitating injury (3) A - Incapacitating injury (4) K - Killed (5) U - Injury, severity unknown (6) Died prior to accident (9) Unknown	63. Type Of Medical Facility (for Initial Treatment) (0) Not treated at a medical facility (1) Trauma center (2) Hospital (3) Medical clinic (4) Physician's office (5) Treatment later at medical facility (8) Other (specify):
62. Treatment - Mortality (0) No treatment (1) Fatal (2) Fatal - ruled disease (specify): Nonfatal (3) Hospitalization (4) Transported and released (5) Treatment at scene - nontransported (6) Treatment later (7) Treatment - other (specify): (8) Transported to a medical facility-unknown if treated (9) Unknown	64. Hospital Stay (00) Not Hospitalized Code the number of days (up through 60) that the occupant stayed in hospital. (61) 61 days or more (99) Unknown 65. Working Days Lost Code the number of days (up through 60) that the occupant lost from work due to the accident (00) No working days lost (61) 61 days or more (62) Fatally injured (97) Not working prior to accident (99) Unknown
	PONSE INFORMATION
EMS Notification (1) Not notified ROAD VEHICLE (2) Notified (9) Unknown AIR VEHICLE	(02) Rescue squad
EMS NotificationTime (first unit) (9999) Unknown	(06) Ambulance service unit (07) Hospital

	tification	ROAD VEHICLE	(01)	Type	FIRST TRANSPOI
	lot notified	NOAD VEINGEE		Fire department	
	lotified	AIR VEHICLE	(02)	Rescue squad	ROAD VEHICLE
(9) L	Jnknown	AIN VEHICLE	(03)	Police department	MOAD VEHICLE
			(04)	Trauma unit	AIR VEHICLE
	and the same of the same of the same of the same of the same of the same of the same of the same of the same of		(05)	Disaster unit	AIR VEHICLE
	tificationTime (first unit)	ROAD VEHICLE	(06)	Ambulance service unit	
(9999)	Unknown	ROAD VEHICLE	(07)	Hospital	
	<u>-</u>		(08)	Mortuaries/funeral homes	
		AIR VEHICLE	(98)	Other, specifiy:	
			(99)	Unknown	
EMS Arr	ival Time (first unit)				
(9998)	EMS cancelled or did	ROAD VEHICLE			
	not arrive		EMS	Care	DURIN
(9999)	Unknown	AIR VEHICLE	(01)	No care administered	ON-SCENE DURIN
			(02)	First aid	
			(03)	Resuscitation	ROAD VEHICLE
EMS De	parture Time To		(04)	CPR	
Treatme	nt Facility (transporting unit)	ROAD VEHICLE	(05)	Emergency cardiac care	AIR VEHICLE
(9997)	EMS arrived, provided		(06)	Life support system monitor	oring (blood pressu
	treatment, but did not	AIR VEHICLE		pulse rate, respiration, EKO	
	transport		(07)	Emergency burn care	•
(9998)	EMS arrived, but was		(08)	Combination of above, spe	cify:
	not used		(98)	Other, specify:	
(9999)	Unknown		(99)	Unknown	
EMS Arr	ival Time At	<i>*</i>			
Treatme	nt Facility	ROAD VEHICLE			
(9999)	Unknown				
	-	AIR VEHICLE		CODED BY THE Z	

TO BE CODED BY THE ZONE CENTER

INJURY CONSEQUENCES	TRAUMA DATA
Code number of hours from time of accident to time of death up through 24 hours. If time of death is greater than 24 hours, code number of days. (Note: 1 day = 31, 2 days = 32, n days = 30 + n up through 30 days = 60) (00) Not fatal (96) Fatal - ruled disease (99) Unknown	71. Glasgow Coma Scale (GCS) Score (at Medical Facility) (00) Not injured (01) Injured - not treated at medical facility (02) No GCS Score at medical facility (03-15) Code the actual value of the initial GCS Score recorded at medical facility. (97) Injured, details unknown (99) Unknown if injured
67. 1st Medically Reported Cause of Death 68. 2nd Medically Reported Cause of Death 69. 3rd Medically Reported Cause of Death Code the Occupant Injury from line number(s) for the medically reported injury(s) which reportedly contributed to this occupant's death (00) Not fatal or no additional causes (96) Mode of death given but specific injuries are not linked to cause of death. (specify): (97) Other result (includes fatal ruled disease) (specify):	72. Was the Occupant Given Blood? (1) No - blood not given (2) Yes - blood given (specify units): (9) Unknown if blood given 73. Arterial Blood Gases (ABG) – HCO ₃ (00) Not injured (01) Injured, ABGs not measured or reported (02-50) Code the actual value of the HCO ₃ (96) ABGs reported, HCO ₃ unknown (97) Injured, details unknown (99) Unknown if injured
(99) Unknown 70. Number of Recorded Injuries for This Occupant Code the actual number of injuries recorded for this occupant. (00) No recorded injuries (97) Injured, details unknown (99) Unknown if injured	74. Primary Source of Belt Use Determination (0) Not equipped/not available/destroyed or rendered inoperative (1) Vehicle inspection (2) Official injury data (3) Driver/occupant interview (8) Other (specify): (9) Unknown if belt used



Administration

U.S. Department of Transportation **National Highway Traffic Safety**

OCCUPANT INJURY FORM

Form Approved O.M.B. No. 2127-0021

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

1. Primary Sampling Unit Number

3. Vehicle Number

2. Case Number - Stratum

4. Occupant Number

INJURY DATA

Record below the actual injuries sustained by this occupant that were identified from the official and unofficial data sources. Remember not to double count an injury just because it was identified from two different sources. If greater than ten injuries have been documented, encode the balance on the Occupant Injury Supplement.

	Source of Injury Body Data Region	Type of Anatomic Structure	A.I.S 9 Specific Anatomic Structure	Level of Injury	A.I.S. Severity	 Aspect	Injury Source	Injury Source Confidence Level	Direct/ Indirect Injury	Occupant Area Intrusion Number
1st	5. <u>2</u> 6. <u>6</u>	7.4	8. <u>D</u> 2	9. <u>3</u> 4	10. <u>L</u>	11. <u>b</u>	12. <u> </u>) _{13/}	14/	15. <u>O</u> <u>O</u>
2nd	16. 2 17. 9	18.9	19.20	20. 06	21	22.	23. 180	24	25/	26. <u>O</u>
3rd	27. 2 28. 3	29. 9	30. <u>0</u> <u>2</u>	31. <u>0</u> <u>2</u>	32	33. 5	34. <u>I Z O</u>	35. <u>)</u>	36. <u>/</u>	37. <u>QQ</u>
4th	38. 2 39. 2	40. <u>9</u>	41. <u>02</u>	42.02	43 . <u></u>	44. <u>&</u>	45. <u>180</u>	46. <u>/</u>	47. <u>/</u>	48. 🛆 🔿
5th	49 50	51	52.	53.	54	55	56.	57	58	59
6th	60 61	62	63	64	65.	66.	67	68	69	70
7th	71 72	73	744	75,	76	77.	78.	79	80	81
8th	82 83	84.	85	86	87	88.	89	90	91	92
9th	93 94	95	96	97	98	99. 1	100.	101	102	103
10th	104 105	106	107	108	109	1101	111.	112	113	114
										,

				OCC	UPANT	INJURY	DATA				
	Source of Injury Data	Body Region	Type of Anatomic Structure	A.I.S 90 Specific Anatomic Structure	Level of Injury	A.I.S. Severity	Aspect	Injury Source	Injury Source Confidence Level	Direct/ Indirect Injury	Occupant Area Intrusion Number
11th	_			· .		_					
12th	_										
13th	<u></u>			 .		——————————————————————————————————————			1	<u> </u>	
14th			<u> </u>								
15th		_									
16th											
17th										· · · · · · · · · · · · · · · · · · ·	
18th											
19th											
20th											
21st											
22nd											
23rd											
24th											
25th											

OCCUPANT INJURY CLASSIFICATION

Body Region

- Head (1)
- (2) Face
- (3) Neck
- (4)Thorax
- (5) Abdomen
- (6)Spine
- **Upper Extremity** (7)
- **Lower Extremity** (8)
- (9) Unspecified

Type of Anatomic Structure

- Whole Area (1)
- (2)Vessels
- (3) **Nerves**
- Organs (includes (4) Muscles/ligaments)
- (5) Skeletal (includes joints)

SOURCE OF INJURY DATA

- (6) Head - LOC
- (9) Skin

Specific Anatomic Structure

Vessels, Nerves, Organs. Bones, Joints are assigned consecutive two digit numbers beginning with 02.

The exceptions to this rule apply to:

Whole Area

- (02) Skin Abrasion (04) Skin Contusion
- (06) Skin Laceration (08) Skin - Avulsion
- (10) Amputation
- (20) Burn
- (30) Crush
- (40) Degloving (50) Injury - NFS
- (90) Trauma, other than mechanical

Head - LOC

(02) Length of LOC

- (04) Level
- (06) of
- (08) Consciousness
- (10) Concussion

Spine

- (02) Cervical (04) Thoracic
- (06) Lumbar

Level of Injury

Specific injuries are assigned consecutive two-digit numbers beginning with 02.

To the extent possible, within the organizational framework of the AIS, 00 is assigned to an injury NFS as to severity or where only one injury is given in the dictionary for that anatomic structure. 99 is assigned to any injury NFS as to lesion or severity.

Abbreviated Injury Scale

- (1) Minor Injury
- Moderate Injury (2)
- Serious Injury (3)
- (4) Severe Injury
- Critical Injury (5) Maximum
- (6)(untreatable)
- (7) Injured, unknown severity

Aspect

- (1) Right
- (2)Left
- (3)Bilateral
- (4)Central
- (5) Anterior
- (6)Posterior
- (7)Superior
- (8)Inferior
- (9) Unknown

DIRECT/INDIRECT INJURY

Whole region (O)

CONFIDENCE LEVEL OFFICIAL RECORDS (1) Autopsy records with or (1) Certain Direct contact injury (2) Indirect contact injury (2) Probable without hospital/medical Noncontact injury (3) (3) Possible records (7) Injured, unknown source (9) Unknown (2) Hospital/medical records other than emergency room (e.g., discharge summary) (3) Emergency room records only (including associated X-rays or other lab reports) (4) Private physician, walk-in or emergency clinic UNOFFICIAL RECORDS (5) Lay coroner report (6) E.M.S. personnel (7) Interviewee (8) Other source (specify): (9) Police

INJURY SOURCE

			INJURY	SOUR	CES		
FRONT		(102)	Right side hardware or	(183)	Air bag-passenger side and	(411)	Wall mounted head rest
	Windshield	(102)	armrest	(103)	object held	(-+11)	(used behind wheel chair)
	Mirror	(103)	Right A (A1/A2)-pillar	(184)	Air bag-passenger side and	(412)	Other adaptive device
	Sunvisor		Right B-pillar	(104)	object in mouth	(412)	(specify):
	Steering wheel rim		Other right pillar (specify):	(185)	Air bag compartment		(Specify).
	Steering wheel hub/spoke	(103)	Other right pinar (specify).	(100)			
	Steering wheel (combination	(106)	Right side window glass	(196)	Cover-passenger side	FVTFF	NOR -4 OCCUPANTIC
(000)	of codes 004 and 005)		•	(100)	Air bag compartment		RIOR of OCCUPANT'S
(007)			Right side window frame		cover-passenger side and	VEHIC	
(007)	Steering column,		Right side window sill		eyewear		Hood
	transmission selector lever,	(109)	Right side window glass	(187)	Air bag compartment	(452)	Outside hardware (e.g.,
	other attachment		including one or more of the		cover-passenger side and		outside mirror, antenna)
(800)	Cellular telephone or CB		following: frame, window		jewelry	(453)	Other exterior surface or
	radio		sill, A (A1/A2)-pillar, B-pillar,	(188)	Air bag compartment		tires (specify):
(009)	Add on equipment (e.g.,		or roof side rail.		cover-passenger side and		
	tape deck, air conditioner)	(110)	Other right side object		object held		
(010)	Left instrument panel and		(specify):	(189)	Air bag compartment	(454)	Unknown exterior objects
	below				cover-passenger side and		
(011)	Center instrument panel and				object in mouth	EXTER	RIOR OF OTHER MOTOR
	below	INTER	IOR	(190)	Other air bag (specify)	VEHIC	LE
(012)	Right instrument panel and	(151)	Seat, back support			(501)	Front bumper
	below	(152)	Belt restraint webbing/buckle	(195)	Other air bag compartment		Hood edge
(013)	Glove compartment door	(153)	Belt restraint B-pillar or door		cover (specify)		Other front of vehicle
(014)	Knee bolster		frame attachment point				(specify):
(015)	Windshield including one or	(154)	Other restraint system				
	more of the following: front		component (specify):	ROOF		(504)	Hood
	header, A (A1/A2)-pillar,		,		Front header		Hood ornament
	instrument panel, mirror, or	(155)	Head restraint system		Rear header		Windshield, roof rail, A-pillar
	steering assembly (driver		Other occupants (specify):		Roof left side rail		Side surface
	side only)	(100)	Other occupants (specify).				Side mirrors
/016\	Windshield including one or	(161)	Interior leans phicate		Roof right side rail		
(010)	-		Interior loose objects	(205)	Roof or convertible top	(509)	Other side protrusions
	more of the following: front	(102)	Child safety seat (specify):	F1 001	_		(specify):
	header, A (A1/A2)-pillar,			FLOOI			
	instrument panel, or mirror	(163)	Other interior object		Floor (including toe pan)		Rear surface
	(passenger side only)		(specify):	(252)	Floor or console mounted		Undercarriage
(017)	Windshield reinforced by				transmission lever, including		Tires and wheels
	exterior object (specify)				console	(513)	Other exterior of other moto
		AIR B			Parking brake handle		vehicle (specify):
(019)	Other front object (specify):		Air bag-driver side	(254)	Foot controls including		
		(171)	Air bag-driver side and		parking brake	(514)	Unknown exterior of other
			eyewear				motor vehicle
LEFT S	SIDE	(172)	Air bag-driver side and	REAR			
(051)	Left side interior surface,		jewelry	(301)	Backlight (rear window)	OTHE	R VEHICLE OR OBJECT IN
	excluding hardware or	(173)	Air bag-driver side and object	(302)	Backlight storage rack,	THE E	NVIRONMENT
	armrests		held		door, etc.	(551)	Ground
(052)	Left side hardware or	(174)	Air bag-driver side and object	(303)	Other rear object (specify):		Other vehicle or object
	armrest		in mouth	•	,		(specify):
(053)	Left A (A1/A2)-pillar	(175)	Air bag compartment				
	Left B-pillar	,	cover-driver side	ΔΠΔΡ	TIVE (ASSISTIVE) DRIVING	(500)	Unknown vehicle or object
	Other left pillar (specify):	(176)	Air bag compartment		MENT	,555)	C Formicie of Object
1	Time tare prime (appoint)		cover-driver side and		Hand controls for	NONC	CONTACT INJURY
(056)	Left side window glass			,701)			
	-	/4771	eyewear Air bas somportment	1400	braking/acceleration		Fire in vehicle
	Left side window frame	(1//)	Air bag compartment	(402)	Steering control devices		Flying glass
	Left side window sill		cover-driver side and jewelry		(attached to OEM steering	(603)	Other noncontact injury
(059)	Left side window glass	(178)	Air bag compartment		wheel)		source
	including one or more of the		cover-driver side and object	(403)	Steering knob attached to		(specify):
	following: frame, window		held		steering wheel	(604)	Air bag exhaust gases
	sill, A (A1/A2)-pillar, B-pillar,	(179)	Air bag compartment	(405)	Replacement steering wheel	(697)	Injured, unknown source
	or roof side rail.		cover-driver side and object		(i.e., reduced diameter)		
(060)	Other left side object		in mouth	(406)	Joy stick steering controls		
	(specify):	(180)	Air bag-passenger side	(407)	Wheelchair tie-downs		
		(181)	Air bag-passenger side and		Modification to seat belts,		
			eyewear		(specify):		
RIGHT	SIDE	(182)	Air bag-passenger side and	(409)	Additional or relocated		
	Dieba aida inserior control	•	jewelry	,	switches, (specify):		
(101)	Right side interior surface,		10 tt 0.1 y				
(101)	·		, and the second		owner, aposity.		
(101)	excluding hardware or armrests		jovany	(410)	Raised roof		

Restrained?

Yes

Blood Alcohol Level (mg/dl)

BAL = _____

Glasgow Coma Scale Score

GCSS = 02

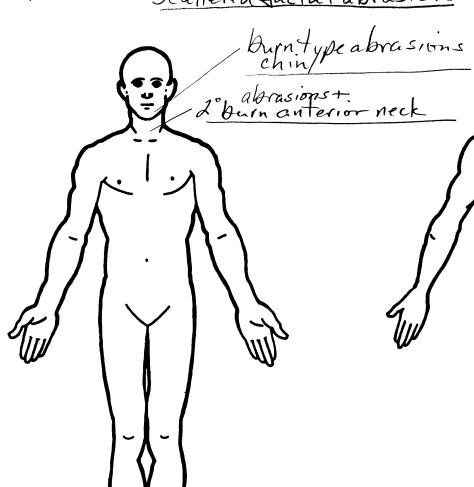
Units of Blood Given

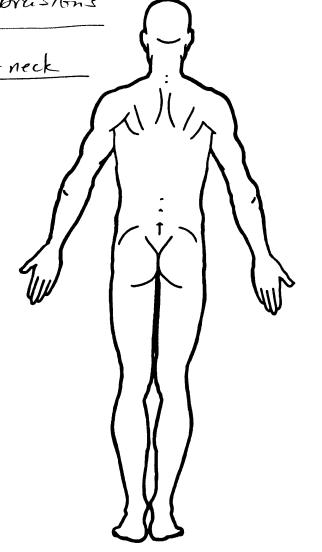
Units =

Arterial Blood Gases

pH = 7.35

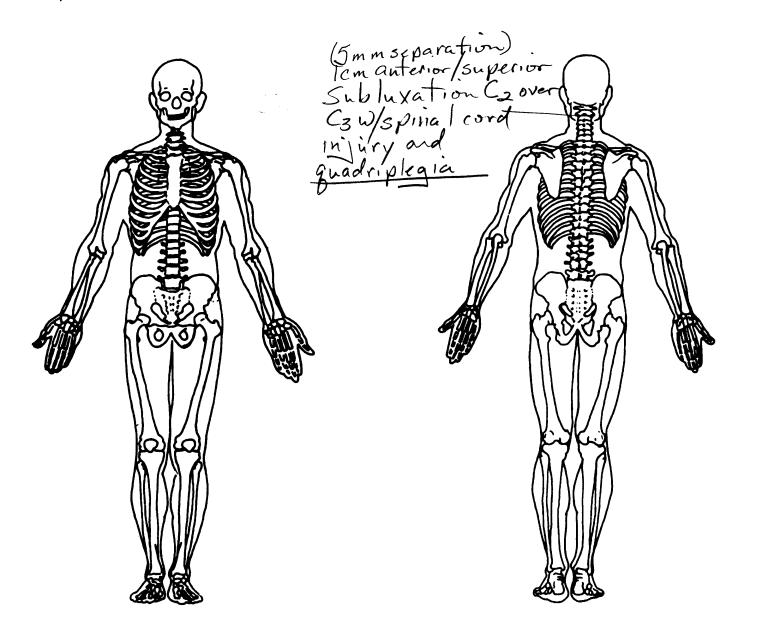
PO₂ = 407 PCO₂ 24 HCO₃ 14



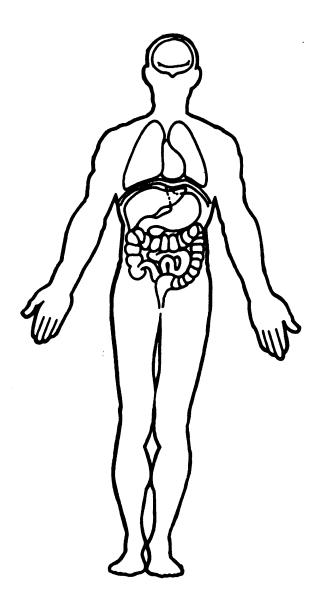


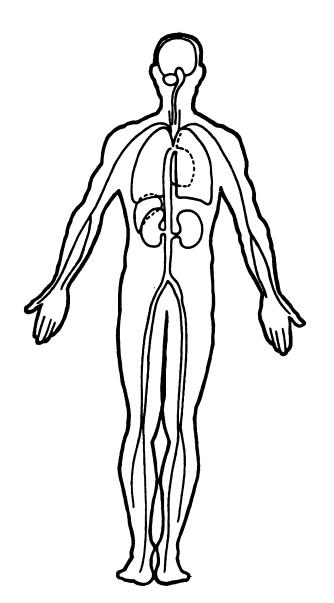
OFFICIAL INJURY DATA — SKELETAL INJURIES

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)



Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)





GENERAL VEHICLE FORM

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

	1. Primary Sampling Unit Number 2. Case Number - Stratum 3. Vehicle Number VEHICLE IDENTIFICATION	12. Speed Limit (000) No statutory limit Code posted or statutory speed limit in kmph (999) Unknown 40 mph x 1.6093 = 040 kmph
	4. Vehicle Model Year Code the last two digits of the model year (99) Unknown 5. Vehicle Make (specify):	 13. Police Reported Alcohol Presence For Driver (0) No alcohol present (1) Yes alcohol present (7) Not reported (8) No driver present (9) Unknown
2	Applicable codes are found in your NASS Data Collection, Coding and Editing Manual. (99) Unknown	14. Alcohol Test Result For Driver Code actual value (decimal implied before first digit—0.xx) (95) Test refused
V	6. Vehicle Model (specify): Applicable codes are found in your NASS Data Collection, Coding and Editing Manual. (999) Unknown	(96) None given (97) AC test performed, results unknown (98) No driver present (99) Unknown Source:
	7. Body Type Note: Applicable codes may be found on the back of this page.	15. Police Reported Other Drug Presence For Driver (0) No other drug(s) present (1) Yes other drug(s) present
	8. Vehicle Identification Number ### 3	(7) Not reported (8) No driver present (9) Unknown 16. Other Drug Specimen Test Result For Driver (0) No specimen test given (1) Drug(s) not found in specimen (2) Drug(s) found in specimen, (specify):
	9. Vehicle Special Use (This Trip) (0) No special use (1) Taxi (2) Vehicle used as school bus (3) Vehicle used as other bus (4) Military (5) Police (6) Ambulance (7) Fire truck or car (8) Other (specify): (9) Unknown	(3) Specimen test given, results unknown or not obtained (8) No driver present (9) Unknown if specimen test given 17. Driver's Zip Code (00001) Driver not a resident of U.S. or territories Code actual 5-digit zip code (99998) No driver present (99999) Unknown
	10. Police Reported Vehicle Disposition (0) Not towed due to vehicle damage (1) Towed due to vehicle damage (9) Unknown 11. Police Reported Travel Speed Code to the nearest kmph (NOTE: 000 means	18. Driver's Race/Ethnic Origin (1) White (non-Hispanic) (2) Black (non-Hispanic) (3) White (Hispanic) (4) Black (Hispanic) (5) American Indian, Eskimo or Aleut (6) Asian or Pacific Islander
	less than 0.5 kmph) (160) 159.5 kmph and above (999) Unknown 99 mph x 1.6093 = 99 kmph	(7) Other (specify): (8) No driver present (9) Unknown

CODES FOR BODY TYPE

CDS APPLICABLE VEHICLES

Automobiles

- (01) Convertible (excludes sun-roof, t-bar)
- (02) 2-door sedan, hardtop, coupe
- (03) 3-door/2-door hatchback
- (04) 4-door sedan, hardtop
- (05) 5-door/4-door hatchback
- (06) Station wagon (excluding van and truck based)
- (07) Hatchback, number of doors unknown
- (08) Other automobile type (specify):
- (09) Unknown automobile type

Automobile Derivatives

- (10) Auto based pickup (includes El Camino, Caballero, Ranchero, Brat, and Rabbit pickup)
- (11) Auto based panel (cargo station wagon, auto based ambulance/hearse)
- (12) Large limousine more than four side doors or stretched chassis
- (13) Three-wheel automobile or automobile derivative

Utility Vehicles (≤ 4,536 kgs GVWR)

- (14) Compact utility (Jeep CJ-2 CJ-7, Scrambler, Golden Eagle, Renegade, Laredo, Wrangler, Cherokee [84 and after], Dispatcher, Raider, Bronco II, Bronco [76 and before], Explorer, S-10 Blazer, Geo Tracker, Bravada, S-15 Jimmy, Thing, Pathfinder, Trooper, Trooper II, Rodeo, Amigo, Navajo, 4-Runner, Montero, Passport, Samurai, Sidekick, Rocky)
- (15) Large utility (includes Jeep Cherokee [83 and before], Ramcharger, Trailduster, Bronco-fullsize [78 and after], fullsize Blazer, fullsize Jimmy, Hummer, Landcruiser, Rover, Scout, Yukon)
- (16) Utility station wagon (Chevy Suburban, GMC Suburban, Travelall, Grand Wagoneer, includes suburban limousine)
- (19) Utility, unknown body type

Van Based Light Trucks (≤ 4,536 kgs GVWR)

- (20) Minivan (Town and Country, Caravan, Grand Caravan, Voyager, Grand Voyager, Mini-Ram, Vista, Aerostar, Windstar, Villager, Lumina APV, Trans Sport, Silhouette, Astro, Safari, Toyota Van, Toyota Minivan, Previa, Nissan Minivan, Quest, Mitsubishi Minivan, Expo Wagon, Vanagon/Camper.)
- (21) Large van (B150-B350, Sportsman, Royal, Maxiwagon, Ram, Tradesman, Voyager [83 and before], E150-E350, Econoline, Clubwagon, Chateau, G10-G30, Chevy Van, Beauville, Sport Van, G15-G35, Rally Van, Vandura.)
- (22) Step van or walk-in van (≤ 4,536 kgs GVWR)
- (23) Van based motorhome (≤ 4,536 kgs GVWR)
- (24) Van based school bus (≤ 4,536 kgs GVWR)
- (25) Van based other bus (≤ 4,536 kgs GVWR)
- (28) Other van type (Hi-Cube Van, Kary) (specify):
- (29) Unknown van type

Light Conventional Trucks (Pickup style cab, ≤ 4,536 kgs GVWR)

- (30) Compact pickup (D50, Colt P/U, Ram 50, Dakota, Arrow Pickup [foreign], Ranger, Courier, S-10, T-10, LUV, S-15, T-15, Sonoma, Datsun/Nissan Pickup, P'up, Mazda Pickup, Toyota Pickup, Mitsubishi Pickup)
- (31) Large Pickup (Jeep Pickup, Comanche, Ram Pickup, D100-D350, W100-W350, F100-F350, C10-C35, K10-K35, R10-R35, V10-V35, Silverado, Sierra, R100-R500, T100)
- (32) Pickup with slide-in camper
- (33) Convertible pickup
- (39) Unknown pickup style light conventional truck type

Other Light Trucks (≤ 4,536 kgs GVWR)

- (40) Cab chassis based (includes rescue vehicles, light stake, dump, and tow truck)
- (41) Truck based panel
- (42) Light truck based motorhome (chassis mounted)
- (45) Other light conventional truck type
- (48) Unknown light truck type
- (49) Unknown light vehicle type (automobile, utility, van, or light truck)

OTHER VEHICLES

Buses (Excludes Van Based)

- (50) School bus (designed to carry students, not cross country or transit)
- (58) Other bus type (e.g., transit, intercity, bus based motorhome) (specify):
- (59) Unknown bus type

Medium/Heavy Trucks (> 4,536 kgs GVWR)

- (60) Step van (> 4,536 kgs GVWR)
- (61) Single unit straight truck (4,536 kgs < GVWR ≤ 8,845 kgs)
- (62) Single unit straight truck (8,845 kgs < GVWR ≤ 11,793 kgs)
- (63) Single unit straight truck (> 11,793 kgs GVWR)
- (64) Single unit straight truck, GVWR unknown
- (65) Medium/heavy truck based motorhome
- (67) Truck-tractor with no cargo trailer
- (68) Truck-tractor pulling one trailer
- (69) Truck-tractor pulling two or more trailers
- (70) Truck-tractor (unknown if pulling trailer)
- (78) Unknown medium/heavy truck type
- (79) Unknown truck type (light/medium/heavy)

Motored Cycles (Does Not Include All-Terrain Vehicles/Cycles)

- (80) Motorcycle
- (81) Moped (motorized bicycle)
- (82) Three-wheel motorcycle or moped
- (88) Other motored cycle (minibike, motorscooter) (specify):_____
- (89) Unknown motored cycle type

Other Vehicles

- (90) ATV (All-Terrain Vehicle) and ATC (All-Terrain Cycle)
- (91) Snowmobile
- (92) Farm equipment other than trucks
- (93) Construction equipment other than trucks
- (97) Other vehicle type
- (99) Unknown body type

PRECRASH ENVIRONMENTAL DATA	
	25. Roadway Surface Condition 3 🔬
19. Relation To Interchange Or Junction	(1) Dry
(0) Non-interchange area and non-junction	(2) Wet
(1) Interchange area related	(3) Snow or slush
	(4) Ice
Non-Interchange junctions	(5) Sand, dirt, or oil
(2) Intersection related	(8) Other (specify):
(3) Driveway, alley access related	(9) Unknown
(4) Other junction (specify)	
·	26. Light Conditions
(5) Unknown type of junction	(1) Daylight
	(2) Dark
(9) Unknown	(3) Dark, but lighted
	(4) Dawn
	(5) Dusk
20. Trafficway Flow	(9) Unknown
(O) Not physically divided (two way traffic)	
(1) Divided trafficway-median strip without	
positive barrier	27. Atmospheric Conditions
(2) Divided trafficway-median strip with positive	(0) No adverse atmospheric-related driving
barrier	conditions
(3) One way traffic	(1) Rain
(9) Unknown	(2) Sleet/hail
	(3) Snow
21 Number Of Travel Lance	(4) Fog
21. Number Of Travel Lanes	(5) Rain and fog
(1) One	(6) Sleet and fog
(2) Two (3) Three	(7) Other (e.g., smog, smoke, blowing sand or
(4) Four	dust, etc.) (specify):
(5) Five	
(6) Six	(9) Unknown
(7) Seven or more	
(9) Unknown	28. Traffic Control Device
(o) cimiowii	(0) No traffic control(s)
	(1) Traffic control signal (not RR crossing)
22. Roadway Alignment	
(1) Straight	Regulatory
(2) Curve right	(2) Stop sign
(3) Curve left	(3) Yield sign
(9) Unknown	(4) School zone sign
	(5) Other regulatory sign (specify):
23. Roadway Profile	(0)
(1) Level	(6) Warning sign (not RR crossing)
(2) Uphill grade (>2%)	(7) Unknown sign
(3) Hill crest	(8) Miscellaneous/other controls including RR
(4) Downhill grade (>2%)	controls (specify):
(5) Sag	(9) Unknown
(9) Unknown	(9) Unknown
24 Boodway Surface Time	29 Traffic Control Daviso Europianias
24. Roadway Surface Type	29. Traffic Control Device Functioning (0) No traffic control device
(1) Concrete	(1) Traffic control device not functioning
(2) Bituminous (asphalt) (3) Brick or block	(1) Traffic control device not functioning (specify):
(4) Slag, gravel, or stone	(Specify).
(5) Dirt	(2) Traffic control device functioning properly
(8) Other (specify):	(9) Unknown
(9) Unknown	(C) CHARLOWN
(3) Olikilowii	

PRECRASH	DRIVER RELATED DATA	THIS	VEHICLE TRAVELLING
0. Driver's Distraction	on/Inattention To Driving		Over the lane line on left side of travel lane
(Prior To Recogn	ition Of Critical Event)		Over the lane line on right side of travel lane
(00) No driver p	resent		Off the edge of the road on the left side
(01) Attentive or			Off the edge of the road on the right side
(02) Looked but			End departure
• •			Turning left at intersection
Distractions			Turning right at intersection
(U3) By other oc	cupant(s), (specify):		Crossing over (passing through) intersection
(0.4)	-bi-aki- vahista (a-a-if-i)		This vehicle decelerating
(04) By moving	object in vehicle (specify):		Unknown travel direction
(05) \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	listania ta callular phone (angelés	(19)	Unknown travel direction
(U5) vvnile talkir	ng or listening to cellular phone (specify	071	IED MOTOD VELIOLE IN LANE
location an	d type of phone):		IER MOTOR VEHICLE IN LANE
(OC) Maile dielie	ng cellular phone (specify location and		Other vehicle stopped
(00) vville dialii	ng cellular priorie (specify location and	(51)	Traveling in same direction with lower steady
type of prio	ne):		speed
(07) Mhile adius	ting climate controls		Traveling in same direction while decelerating
(07) vvnile adjus	sting climate controls		Traveling in same direction with higher speed
(00) vvrille adjus	sting radio, cassette, CD (specify):	(54)	Traveling in opposite direction
(00) \Africa	th dovice/controls integral to vehicle	(55)	In crossover
(09) vvnile using	other device/controls integral to vehicle	(56)	Backing
(specify):	a de la companya de l	(59)	Unknown travel direction of other motor vehicle in
(10) vvnile using	or reaching for device/object brought	` ,	lane
into venicie	(specify):		
(11) Sleepy or f		OTH	IER MOTOR VEHICLE ENCROACHING INTO
(12) Distracted	by outside person, object, or event	LAN	
(specify):			From adjacent lane (same direction)—over left lane
(13) Eating or d		(00)	line
(14) Smoking re	elated	(61)	From adjacent lane (same direction)—over right
(97) Distracted/	inattentive, details unknown	(01)	lane line
(98) Other, disti	raction (specify):	(63)	
(00)			From opposite direction—over left lane line
(99) Unknown	P 1		From opposite direction—over right lane line
31. Pre-Event Move	ment (Prior to		From parking lane
Recognition of C			From crossing street, turning into same direction
(00) No driver p			From crossing street, across path
(01) Going strai			From crossing street, turning into opposite direction
(02) Deceleratin			From crossing street, intended path not known
(03) Acceleratir	ng in traffic lane		From driveway, turning into same direction
(04) Starting in		(71)	From driveway, across path
(05) Stopped in	traffic lane	(72)	From driveway, turning into opposite direction
(06) Passing or	overtaking another vehicle	(73)	From driveway, intended path not known
(07) Disabled o	r parked in travel lane		From entrance to limited access highway
(08) Leaving a	parking position		Encroachment by other vehicle—details unknown
(09) Entering a	parking position	()	
(10) Turning rig	iht	PFI	DESTRIAN, PEDALCYCLIST, OR OTHER
(11) Turning lef			NMOTORIST
(12) Making a l			Pedestrian in roadway
	o (other than for parking position)		
(14) Negotiating		(01)	Pedestrian approaching roadway
(15) Changing			Pedestrian—unknown location
(16) Merging	-	(83)	Pedalcyclist or other nonmotorist in roadway
(17) Successfu	I avoidance maneuver to a previous		(specify):
critical eve		(84)	Pedalcyclist or other nonmotorist approaching
(97) Other (spe			roadway, (specify):
(99) Unknown	,	(85)	Pedalcyclist or other nonmotorist—unknown
` '	17		location (specify):
32. Critical Precrash	1 Event		
	LOSS OF CONTROL DUE TO:	OB.	JECT OR ANIMAL
(01) Blow out o	or flat tire	(87)	Animal in roadway
(02) Stalled en	gine		Animal approaching roadway
	vehicle failure (e.g., wheel fell off)		Animal—unknown location
(specify):	_		Object in roadway
(04) Non-disab	ling vehicle problem (e.g., hood flew up)		Object approaching roadway
(specify):		(02)	Object—unknown location
(05) Poor road	conditions (puddle, pot hole, ice, etc.)		Object—unknown location Other critical precrash event (specify):
(specify):		(30)	outer childer precrash event (specify).
(06) Traveling	too fast for conditions	(00)	Linknown
	se of control loss (specify):	(99)) Unknown
, ,	/=L =* \	1	
	cause of control loss		

	$\sim \Omega$	1
33.	Attempted Avoidance Maneuver	35. Pre-Impact Location
	(00) No driver present	(0) No driver present
	(01) No avoidance maneuver	(1) Stayed in original travel lane
	(02) Braking (no lockup)	(2) Stayed on roadway but left original travel
	(03) Braking (lockup)	lane
	(04) Braking (lockup unknown)	(3) Stayed on roadway, not known if left original
	(05) Releasing brakes	travel lane
	(06) Steering left	(4) Departed roadway
	(07) Steering right	(5) Remained off roadway
	(08) Braking and steering left	(6) Returned to roadway
	(09) Braking and steering right	(7) Entered roadway
	(10) Accelerating	(9) Unknown
	(11) Accelerating and steering left	
	(12) Accelerating and steering right	
	(98) Other action (specify):	36. Accident Type
		(Note: Applicable codes on back of this
	(99) Unknown	page)
	1	(00) No impact
34.	Pre-Impact Stability	Code the number of the diagram that best
	(0) No driver present	describes the accident circumstance
	(1) Tracking	(98) Other accident type (specify):
	(2) Skidding longitudinally—rotation less than 30	, , , , , , , , , , , , , , , , , , ,
	degrees	(99) Unknown
	(3) Skidding laterally—clockwise rotation	
	(4) Skidding laterally—counterclockwise rotation	
	(7) Other vehicle loss-of-control (specify):	
	(9) Precrash stability unknown	
	10/ Treclasti stability utikilowii	
	STOD HEDE IE OVOT DA	DES NOT FOUND 04 AS
l	SIUP NEKE IP GVUI DO	DES NOT EQUAL 01 - 49

Cate.	Contigur- ation	ACCIDENT TYPES (Includes Intent)	
	A Right Roadside Departure	DRIVE OFF CONTROL/ AVOID COLLISION SPECIFICS OTHER	05 SPECIFICS UNKNOWN
Single Driver	B Left Roadside Departure	DRIVE OFF CONTROL/ AVOID COLLISION SPECIFICS OTHER	10 SPECIFICS UNKNOWN
-	C Forward Impact	PARKED VEH. STA. OBJECT PEDESTRIAN/ END SPECIFICS OTHER	16 SPECIPICS UNKNOWN
.د	D Rear-End	20 21 24 28 28 30 (EACH • 32) STOPPED SLOWER DECEL. 31 SPECIFICS OTHER	(EACH + 33) SPECIFICS UNKNOWN
II Sane Trafficway Sane Direction	E Forward Impact	CONTROL/ TRACTION LOSS WITH VEH. AVOID COLLISION WITH OBJECT OTHER	42) (EACH + 43) SPECIFICS UNKNOWN
	F Sideswipe Angle	45 45 (EACH · 48) (EACH · 47) (EACH · 47) (EACH · 48) (EACH · 48) (EACH · 47) (EACH · 48)	i - 49) ICS UNKNOWN
že Storij	G Head-On	50 51 (EACH • 52) (EACH • 53) SPECIFICS SPECIFICS UNKNOWN	
Saine Trafficway Oppinate Direction	H Forward Impact	CONTROL/ TRACTION LOSS CONTROL/ TRACTION LOSS	62)(EACH • 63) 8 SPECIFICS UNKNOWN
=	l. Sideswipe: Angle	SPECIFICS SPECIFICS UNKNOWN LATERAL MOVE OTHER	
Change Trafficway Velucie Turning	J. Turn Across Path	INITIAL OPPOSITE INITIAL SAME DIRECTIONS SPECIFICS OTHER	SPECIFICS UNKNOWN
IV. Change Trafficw Velucie Turning	K. Turn Into Path	TURN INTO SAME DIRECTION TURN INTO OPPOSITE DIRECTIONS OTHER	S4) (EACH • 85) SPECIFICS UNKNOWN
V Intersecting Paths (Vehicle Damage)	L. Straight Paths	(EACH - 90) (EACH - 90) (EACH - 90) (EACH - 90) (EACH - 90) (EACH - 90) (EACH - 90)	91) UNKNOWN
VI Miscel lascous	M. Backing Etc.	SACKING VEM. SS Other Accident Type SACKING VEM. SS Other Accident Type SO Unknown Accident Type ON No Impect	

	OCCUPANT RELATED	44.	. Vehicle Cargo Weight
	Driver Presence in Vehicle (0) Driver not present (1) Driver present (9) Unknown		Code weight to nearest 10 kilograms. (000) Less than 5 kilograms (454) 4,536 kilograms or more (999) Unknown , lbs X .4536 = kgs
38.	Number of Occupants This Vehicle (00-96) Code actual number of occupants for this vehicle (97) 97 or more (99) Unknown	45.	Source: ROLLOVER DATA Rollover
39.	Number of Occupant Forms Submitted		(00) No rollover (no overturning)
40.	Is this an AOPS Vehicle? (0) No (includes unknown) (1) Yes - researcher determined (2) VIN determined air bag system	(0	Rollover (primarily about the longitudinal axis) (01-16) Code the number of quarter turns (17) Rollover, 17 or more quarter turns (specify): (98) Rolloverend-over-end (i.e., primarily about the lateral axis) (99) Rollover (overturn), details unknown
41.	(3) VIN determined automatic (passive) belts (4) VIN determined air bag and automatic (passive) belts Air Bag(s) Deployment, First Seat Frontal (0) Not equipped or not available	46.	Rollover Initiation Type (00) No rollover (01) Trip-over (02) Flip-over (03) Turn-over
	 (1) No air bags deployed Single Air Bag Vehicle (2) Driver air bag deployed (3) Driver air bag, unknown if deployed 		(04) Climb-over (05) Fall-over (06) Bounce-over (07) Collision with another vehicle (08) Other rollover initiation type specify):
	Multiple Air Bag Vehicle (4) Driver side only deployed (5) Passenger side only deployed (6) Driver and passenger side deployed (7) Driver and passenger side unknown if deployed (8) Air bag(s) deployed, details unknown (9) Unknown	47.	(98) Rolloverend-over-end (99) Unknown rollover initiation type 7. Location of Rollover Initiation (0) No rollover (1) On roadway (2) On shoulder—paved
42.	Air Bag(s) Deployment, Other Than First Seat Frontal (0) Not equipped with an "other" air bag (1) Deployed during accident (as a result of		(3) On shoulder—unpaved (4) On roadside or divided trafficway median (8) Rolloverend-over-end (9) Unknown
	impact) (2) Deployed inadvertently just prior to accident (3) Deployed, details unknown	48.	3. Rollover Initiation Object Contacted (Note: Applicable codes on back of page)
	 (4) Deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical) (5) Unknown if deployed (7) Nondeployed (9) Unknown 	49.	D. Location on Vehicle Where Initial Principal Tripping Force Is Applied (0) No rollover (1) Wheels/tires (2) Side plane (3) End plane (4) Undercarriage
	Specify type of "other" air bag present:		(5) Other location on vehicle (specify):
			(6) Non-contact rollover forces (specify):
	VEHICLE WEIGHT ITEMS		(8) Rolloverend-over-end (9) Unknown
43	Code weight to nearest 10 kilograms. (045) Less than 454 kilograms (612) 6,124 kilograms or more (999) Unknown 2,651 lbs X.4536 = 1,203 kgs	50	O. Direction of Initial Roll (O) No rollover (1) Roll right - primarily about the longitudinal axis (2) Roll left - primarily about the longitudinal axis (8) Rolloverend-over-end (9) Unknown roll direction
	Source: / / 9 / 7	1	

CODES FOR ROLLOVER INITIATION OBJECT CONTACTED

(00) No rollover	(57) Fence
(01-30) — Vehicle Number	(58) Wall
	(59) Building
Noncollision	(60) Ditch or culvert
(31) Turn-over — fall-over	(61) Ground
(32) No rollover impact initiation (end-over-end)	(62) Fire hydrant
(34) Jackknife	(63) Curb
(01)	(64) Bridge
Collision With Fixed Object	(68) Other fixed object (specify):
(41) Tree (≤ 10 cm in diameter)	(00) 011101 111100 00)000 (000011)
(42) Tree (> 10 cm in diameter)	(69) Unknown fixed object
(43) Shrubbery or bush	(00) Chanotti hada object
(44) Embankment	Collision with Nonfixed Object
(44) Embankment	(70) Passenger car, light truck, van, or other
(AE) Brookeway pole or post (any diameter)	vehicle not in-transport
(45) Breakaway pole or post (any diameter)	(71) Medium/heavy truck or bus not in-transport
N Iv alvanor Dala as Dast	
Nonbreakaway Pole or Post	(76) Animal
(50) Pole or post (≤ 10 cm in diameter)	(77) Traile disconnected in terroport
(51) Pole or post (> 10 cm but ≤ 30 cm in	(78) Trailer, disconnected in transport
diameter)	(79) Object fell from vehicle in-transport
(52) Pole or post (> 30 cm in diameter)	(88) Other nonfixed object (specify):
(53) Pole or post (diameter unknown)	
	(89) Unknown nonfixed object
(54) Concrete traffic barrier	
(55) Impact attenuator	(98) Other event (specify):
(56) Other traffic barrier (includes guardrail)	
(specify):	(99) Unknown event or object
	•

OVERRIDE/UNDERRIDE (THIS VEHICLE)	ACCIDENT RECONSTRUCTION PROGRAMS
	HIGHEST DELTA V
51. Front Override/Underride (this Vehicle) 52. Rear Override/Underride (this Vehicle) (0) No override/underride, or not an end-to-end impact between two CDS applicable vehicles, and no medium/heavy truck or bus underride	58. Basis for Total (Resultant) Delta V (highest) (00) No vehicle inspection
Override (see specific CDC) [Between 2 CDS applicable vehicles (Bodytype, GV07 = 1-49)] (1) 1st CDC (2) 2nd CDC (3) Other not automated CDC (specify):	Delta V Calculated (01) Reconstruction program-damage only routine (02) Reconstruction program-damage and trajectory routine (03) Missing vehicle algorithm
Underride (see specific CDC) [Between 2 CDS applicable vehicles (Bodytype, GV07 = 1-49)] (4) 1st CDC (5) 2nd CDC (6) Other not automated CDC (specify):	Delta V Not Calculated (04) At least one vehicle (which may be this vehicle) is beyond the scope of an acceptable reconstruction program, regardless of collision conditions.
(7) Medium/heavy truck or bus override (of any configuration) (9) Unknown	All vehicles within scope (CDC applicable) of reconstuction program but one of the collision conditions is beyond the scope of the reconstruction program or other acceptable
HEADING ANGLE AT IMPACT FOR HIGHEST DELTA V	reconstruction technique, regardless of adequacy of damage data.
Values: (000)-(359) Code actual value (996) Non-horizontal impact (997) Noncollision (998) Impact with object (999) Unknown 53. Heading Angle For This Vehicle 54. Heading Angle For Other Vehicle RECONSTRUCTION DATA 55.Towed Trailing Unit (0) No towed unit (1) Yes—towed trailing unit (9) Unknown	 (05) Rollover (06) Other non-horizontal forces (07) Sideswipe type damage (08) Severe override (09) Yielding object (10) Overlapping damage (11) All vehicle and collision conditions are within scope of one of the acceptable reconstruction programs, but there is insufficient data available, (specify):
56. Documentation of Trajectory Data for This Vehicle (0) No (1) Yes	(98) Other, (specify):
57. Post Collision Condition of Tree or Pole (For Highest Delta V) (0) Not collision (for highest delta V) with tree or pole (1) Not damaged (2) Cracked/sheared (3) Tilted < 45 degrees (4) Tilted ≥ 45 degrees (5) Uprooted tree (6) Separated pole from base (7) Pole replaced (8) Other (specify):	

	COMPUTER GENERAT	ED CRASH SEVERITY
59	. Total Delta V	63. Impact Speed Highest
	Nearest kmph (highest)	Nearest kmph (highest) 798
	Nearest kmph (secondary)	Nearest kmph (secondary)
→	(NOTE: 000 means less than 0.5 kmph) (160) 159.5 kmph and above (999) Unknown Highest	(NOTE: 000 means less than 0.5 kmph) (160) 159.5 kmph and above (998) Trajectory algorithm not run (999) Unknown
60.	Longitudinal Component of + 9 9	DELTA V CONFIDENCE LEVEL
	Nearest kmph (highest) Nearest kmph (secondary) (NOTE:000 means greater than -0.5 kmph and less than +0.5 kmph) (±160) ±159.5 kmph and above (999) Unknown	64. Confidence In Reconstruction Program Results (For Highest Delta V) (0) No reconstruction (1) Collision fits model — results appear reasonable (2) Collision fits model — results appear high (3) Collision fits model — results appear low (4) Borderline reconstruction — results appear reasonable
61	Highest Lateral Component of Delta V +	OTHER CREED ECTIMATE
,		OTHER SPEED ESTIMATE
	Nearest kmph (highest)	Highest 65. Barrier Equivalent Speed
((Nearest kmph (highest) Nearest kmph (secondary) (NOTE:000 means greater than -0.5 kmph and less than +0.5 kmph) ± 160) ± 159.5 kmph and above999) Unknown	Highest 65. Barrier Equivalent Speed
((Nearest kmph (highest) Nearest kmph (secondary) (NOTE:000 means greater than -0.5 kmph and less than +0.5 kmph) ±160) ±159.5 kmph and above999) Unknown	Highest 65. Barrier Equivalent Speed
((Nearest kmph (highest) Nearest kmph (secondary) (NOTE:000 means greater than -0.5 kmph and less than +0.5 kmph) ±160) ±159.5 kmph and above999) Unknown Highest Energy Absorption	Highest 65. Barrier Equivalent Speed
((Nearest kmph (highest) Nearest kmph (secondary) (NOTE:000 means greater than -0.5 kmph and less than +0.5 kmph) ± 160) ± 159.5 kmph and above999) Unknown Highest Energy Absorption 120 Highest Nearest 100 joules (highest)	Highest 65. Barrier Equivalent Speed

	ESTIMATED DELTA V		INSPECTION TYPE	
Det (0) <i>Est</i>		0 🔌	67. Type of Vehicle Inspection (0) No inspection (1) Vehicle fully repaired-no damage evid (2) Partial inspection (specify): (3) Complete inspection	3 dent
(4) (5)	≥ 40 kmph but < 55 kmph		DELTA V EVENT NUMBER	
<i>Otl</i> (6) (7) (8)	Moderate Severe		68. Delta V Event Number Code the accident event sequer number that resulted in the Delta has been coded above for this v (99) Unknown	a V that

*** IF THE CDS APPLICABLE VEHICLE WAS NOT INSPECTED (I.E., GV67 = 0), ***

DO NOT COMPLETE THE EXTERIOR AND INTERIOR VEHICLE FORMS

*** IF GV07 DOES NOT EQUAL 01-49, DO NOT COMPLETE *** THE EXTERIOR VEHICLE, INTERIOR VEHICLE, OCCUPANT ASSESSMENT, AND OCCUPANT INJURY FORMS.

O	,
	of Transportation
National Highway	Traffic Safety

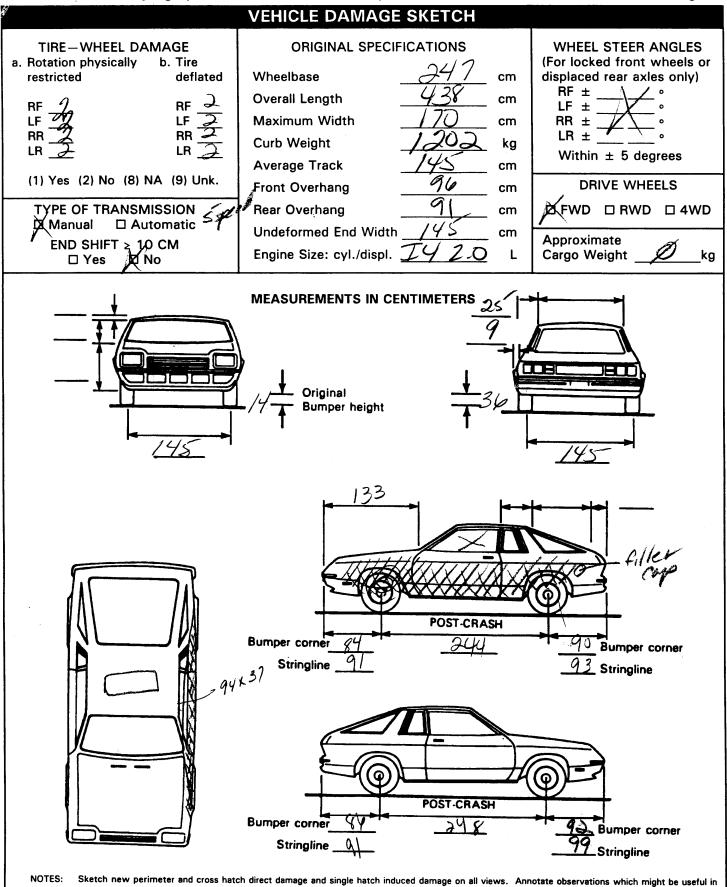
EXTERIOR VEHICLE FORM

NATIONAL ACCIDENT SAMPLING SYSTEM
CRASHWORTHINESS DATA SYSTEM

	ly Traffic Safety									SS DATA	
1. Primar	y Sampling Unit Nun Jumber - Stratum	nber	75 75 7	3.	Vehicle	Numbe	r			_0	2
		V	/EHICLE I	IDENTIF	ICATIO	ON					
vin 4	36T	64 U	XL	<u> </u>					Model Y		0
Vehicle Ma	ke (specify): <u>Eac</u>	gle			Vehicle	Model (s	pecify):	<u>Ta</u>	101	<u> </u>	
			L	OCATO	R						
Locate the	e end of the damage an undamaged axle	with respe	ect to the v	/ehicle's	damage	d cente	r point o	or bump	er corn	er for e	nd /
Specific Impa	ct No. Location o	f Direct Damag	ge		Location	of Field L		L	ocation of	Max Cru	sh
	20cm beh	nd Ken	axle	20cm	behu	rdre	er as	12	CH		
	In Frant	A LF	, xle								
			t s								
	dentify the plane at		SH PROF								
	mpacts.			r side in	5	51ANG	557	85 PR	OM CET	TER	
i F t	mpacts. Free space value is d the individual C local side taper, etc. Rec Use as many lines/co	tions. This ord the valu plumns as n	ne distance may includ e for each ecessary to	betwee le the fol C-measu	n the ba lowing: irement	seline a bumper and ma	nd the o lead, bu ximum o	original tumper to	ody co	ntour ta	ken at usion,
i F t	Free space value is d the individual C local side taper, etc. Rec	tions. This ord the valu	ne distance may includ e for each ecessary to	betwee le the fol C-measu	n the ba lowing: irement	seline a bumper and ma	nd the o lead, bu ximum o	original tumper to	ody co	ntour ta	ken at usion,
Specific Impact	Free space value is dicted individual C local side taper, etc. Recourse as many lines/course Plane of Impact	tions. This ord the valual plumns as n Direct D Width (CDC)	ne distance may includ e for each ecessary to Damage Max	betwee le the fol C-measu describ	n the ba lowing: irement e each d	seline a bumper and ma damage	nd the o lead, bu ximum o profile.	original to umper to crush.	pody cor aper, sid	ntour ta le protri	usion,
Specific Impact	Plane of Impact C-Measurements	tions. This ord the valu plumns as n Direct D Width	ne distance may includ e for each ecessary to Damage Max Crush	betwee le the fol C-measu o describ Field	n the ba lowing: urement e each o	seline a bumper and ma damage	nd the dilead, but simum controlle.	original to umper to crush.	oody cor aper, sid	ntour ta le protru C ₆	usion,
Specific Impact	ree space value is did individual C local side taper, etc. Recourse as many lines/course of Impact C-Measurements	tions. This ord the valual plumns as n Direct D Width (CDC)	ne distance may include e for each ecessary to Damage Max Crush	betwee le the fol C-measu o describ Field	n the ba lowing: urement e each o	seline a bumper and ma damage C ₂	nd the dilead, but simum controlle.	crush.	C _s	C ₆	usion,
Specific Impact	Plane of Impact C-Measurements	tions. This ord the valual plumns as n Direct D Width (CDC)	ne distance may include e for each ecessary to Damage Max Crush	betwee le the fol C-measu o describ Field	n the ba lowing: urement e each o	seline a bumper and ma damage C ₂	nd the dilead, but simum controlle.	original to umper to crush.	oody coraper, sid	C ₆	usion,
Specific Impact	Plane of Impact C-Measurements	tions. This ord the valual plumns as n Direct D Width (CDC)	ne distance may include e for each ecessary to Damage Max Crush	betwee le the fol C-measu o describ Field	the ballowing: urement e each of C1	seline a bumper and ma damage C ₂	nd the dilead, but simum controlle.	crush.	C _s	C ₆	usion,
Specific Impact	Plane of Impact C-Measurements	tions. This ord the valual plumns as n Direct D Width (CDC)	ne distance may include e for each ecessary to Damage Max Crush	betwee le the fol C-measu o describ Field	the ballowing: urement cach c	seline a bumper and ma damage C ₂	nd the dilead, but simum controlle.	crush.	C _s	C ₆	usion,
Specific Impact	Plane of Impact C-Measurements	tions. This ord the valual plumns as n Direct D Width (CDC)	ne distance may include e for each ecessary to Damage Max Crush	betwee le the fol C-measu o describ Field	the ballowing: urement cach c	seline a bumper and ma damage C ₂	nd the of lead, but simum of profile. C ₃	crush.	C _s	C ₆	usion,
Specific Impact	Plane of Impact C-Measurements	tions. This ord the valual plumns as n Direct D Width (CDC)	ne distance may include e for each ecessary to Damage Max Crush	betwee le the fol C-measu be describ	the ballowing: prement to each of the control of th	seline a bumper and mand mand mand mand mand mand mand	rnd the or lead, but simum or profile. C ₃ 4.5	crush.	C _s	C ₆	usion,
Specific Impact	Plane of Impact C-Measurements	tions. This ord the valual plumns as n Direct D Width (CDC)	ne distance may include e for each ecessary to Damage Max Crush	betwee le the fol C-measu o describ Field	the ballowing: prement to each of the control of th	seline a bumper and mand damage	rnd the or lead, but simum or profile. C ₃ 4.5	crush.	C _s	C ₆	usion,
Specific Impact	Plane of Impact C-Measurements	tions. This ord the valual plumns as n Direct D Width (CDC)	ne distance may include e for each ecessary to Damage Max Crush	betwee le the fol C-measu be describ	the ballowing: prement to each of the control of th	seline a bumper and mand mand mand mand mand mand mand	rnd the or lead, but simum or profile. C ₃ 4.5	crush.	C _s	C ₆	usion,
Specific Impact	Plane of Impact C-Measurements	tions. This ord the valual plumns as n Direct D Width (CDC)	ne distance may include e for each ecessary to Damage Max Crush	betwee le the fol C-measu be describ	the ballowing: prement to each of the control of th	seline a bumper and mand mand mand mand mand mand mand	rnd the or lead, but simum or profile. C ₃ 4.5	crush.	C _s	C ₆	usion,
Specific Impact	Plane of Impact C-Measurements	tions. This ord the valual plumns as n Direct D Width (CDC)	ne distance may include e for each ecessary to Damage Max Crush	betwee le the fol C-measu be describ	the ballowing: prement to each of the control of th	seline a bumper and mand mand mand mand mand mand mand	rnd the or lead, but simum or profile. C ₃ 4.5	crush.	C _s	C ₆	usion,

ORIGINAL SPECIFICATIONS WORK SHEET

Wheelbase	$\underline{97.2}$ inches	x 2.54 =	247 _{cm}
Overall Length	122.4 inches	x 2.54 =	438 cm
Maximum Width		x 2.54 =	<u> 120 cm</u>
Curb Weight	_2.651_ pounds	x .4536 =	1.202kg
Average Track	$\underline{-52}$. inches	x 2.54 =	cm
Front Overhang	inches	x 2.54 =	cm
Rear Overhang	inches	x 2.54 =	cm
Undeformed End Width	inches	x 2.54 =	cm
Engine Size: cyl./displ.	<u> 14</u> cc	x .001 =	<u>20</u> L
	CID	x .0164 =	. L



reconstructing the accident (e.g., grass in tire bead, direction of striations, scuff on sidewalls, etc.). If pulling trailer, sketch type of trailer and damage

Annotate any damage caused by extrication such as component removal by torching, prying, or hydraulic shears.

received on the back of this page.

CDC WORKSHEET

(01-30)		C	ODES FOR	OBJECT CON	TACTED			
	- Vehicle Nur	nber			7) Fence 3) Wall			
Noncolli	sion			•	9) Building			
		llover (excludes	end-over-en		D) Ditch or	culvert		
	Rollover—end-		ena-over-en		l) Ground	Cuivert		
	Fire or explosi				2) Fire hydr	ant		
	Jackknife	JII			3) Curb	anı		
		: damage (specif	f _{v/} \•		1) Bridge			
(33)	Other mitraurin	damage (specif	ı y / .		3) Other fix	ed object (s	necify):	
(36)	Noncollision in	iurv		(00	o, Other iix	eu object (s	pecity).	
	Other noncollis			(69	9) Unknowi	n fixed obje	ct	
(39)	Noncollision -	· details unknov	vn		ion with No			
				(70	D) Passenge			or other
	With Fixed OI			,		ot in-transp		
	Tree (≤ 10 cm						or bus not	in-transport
	Tree (> 10 cm				2) Pedestria			
	Shrubbery or b	oush			3) Cyclist o			
(44)	Embankment				1) Other no		r conveyand	ce
(45)	Breakaway po	le or post (any o	diameter)		5) Vehicle of	occupant		
				• • •	3) Animal			
	kaway Pole or				7) Train			
		10 cm in diam			3) Trailer, d			
(51)		> 10 cm but ≤ 3	30 cm in		Object fe			
(52)	diameter) Pole or post (2)	> 30 cm in diam	neter)		3) Other no		•	
		liameter unknov		(89	9) Unknow	n nonfixed o	bject	
	Concrete traff			(98	3) Other ev	ent (specify	·):	
(56)		arrier (includes ((99	9) Unknow	n event or o	bject	
	(specify):							
								
				SIFICATION B			·	
Accident		DEFORMA		SIFICATION B	(4)	(5)	(6)	
Accident Event		DEFORMA ⁻ (1) (2) Direction	TION CLASS	SIFICATION B	(4) Specific	(5) Specific	(6) Type of	(7)
Event Sequence	Object	DEFORMA (1) (2) Direction of Force	Incremental Value of	(3) Deformation	(4) Specific Longitudinal or Lateral	(5) Specific Vertical or Lateral	Type of Damage	Deformation
Event		DEFORMA ⁻ (1) (2) Direction	TION CLASS	(3)	(4) Specific Longitudinal	(5) Specific Vertical or	Type of	
Event Sequence	Object	DEFORMA (1) (2) Direction of Force	Incremental Value of	(3) Deformation	(4) Specific Longitudinal or Lateral	(5) Specific Vertical or Lateral	Type of Damage	Deformation
Event Sequence Number	Object Contacted	DEFORMA (1) (2) Direction of Force (degrees)	Incremental Value of Shift	(3) Deformation	(4) Specific Longitudinal or Lateral Location	(5) Specific Vertical or Lateral Location	Type of Damage Distribution	Deformation
Event Sequence Number	Object Contacted	(1) (2) Direction of Force (degrees)	Incremental Value of Shift	(3) Deformation	(4) Specific Longitudinal or Lateral Location	(5) Specific Vertical or Lateral Location	Type of Damage Distribution	Deformation
Event Sequence Number	Object Contacted	DEFORMA (1) (2) Direction of Force (degrees)	Incremental Value of Shift	(3) Deformation	(4) Specific Longitudinal or Lateral Location	(5) Specific Vertical or Lateral Location	Type of Damage Distribution	Deformation
Event Sequence Number	Object Contacted	DEFORMA (1) (2) Direction of Force (degrees)	Incremental Value of Shift	(3) Deformation	(4) Specific Longitudinal or Lateral Location	(5) Specific Vertical or Lateral Location	Type of Damage Distribution	Deformation
Event Sequence Number	Object Contacted	DEFORMA (1) (2) Direction of Force (degrees)	Incremental Value of Shift	(3) Deformation	(4) Specific Longitudinal or Lateral Location	(5) Specific Vertical or Lateral Location	Type of Damage Distribution	Deformation
Event Sequence Number	Object Contacted	DEFORMA (1) (2) Direction of Force (degrees)	Incremental Value of Shift	(3) Deformation	(4) Specific Longitudinal or Lateral Location	(5) Specific Vertical or Lateral Location	Type of Damage Distribution	Deformation
Event Sequence Number	Object Contacted	DEFORMA (1) (2) Direction of Force (degrees)	Incremental Value of Shift	(3) Deformation	(4) Specific Longitudinal or Lateral Location	(5) Specific Vertical or Lateral Location	Type of Damage Distribution	Deformation
Event Sequence Number	Object Contacted	DEFORMA (1) (2) Direction of Force (degrees)	Incremental Value of Shift	(3) Deformation	(4) Specific Longitudinal or Lateral Location	(5) Specific Vertical or Lateral Location	Type of Damage Distribution	Deformation
Event Sequence Number	Object Contacted	DEFORMA (1) (2) Direction of Force (degrees)	Incremental Value of Shift	(3) Deformation	(4) Specific Longitudinal or Lateral Location	(5) Specific Vertical or Lateral Location	Type of Damage Distribution	Deformation

COLLISION DEFORMATION CLASSIFICATION								
HIGHEST [DELTA "V"							
Accident Event Sequence Number	Object Contacted	(1) (2) Direction of Force	(3) Deformation Location	(4) Longitudinal or Lateral Location	(5) Vertical or Lateral Location	(6) Type of Damage Distribution	(7) Deformation Extent	
4. <u>01</u>	5. <u>O</u>	6. <u>9</u>	7. <u> </u>	8	9. <u>(</u>	10. 💯	11. <u>0</u> <u></u>	
Second Hi	Second Highest Delta "V"							
12	13	14	15	16	17	18	19	
		CRUS	H PROFILE	IN CENTIM	ETERS			
	The crush prof	ile for the dar	nage described below. (ALL N	I in the CDC(s)	above should IS ARE IN CEN	be documente NTIMETERS.)	ed	
HIGHEST 20. L	21. C ₁	+ o f	Ke out		C ₅	C ₆	22. ±D	
320	000	900	005	907 C	004 C	<u>000 -</u>	017	
Second Highest Delta "V"								
23. 	24. 		C ₃	C ₄	C ₅	C ₆	25. ±D	
					· · · · · · · · · · · · · · · · · · ·	=		
(Coded impact) (250) (998)	ormed End Widt d when highest t is an end plane Code to the ne 250 centimete No highest sey		(650)	28. Original Wheelbase Code to the nearest centimeter (650) 650 centimeters or more (999) Unknown 127 inches X 2.54 = 247 centimeters				
(999) Unknown 27. Direct Damage Width (For highest severity impact) Code to the nearest centimeter (250) 250 centimeters or more (999) Unknown				29. Original Average Track Width Code to the nearest centimeter (185) 185 centimeters or more (999) Unknown inches X 2.54 =				

Filler Cap
Filler Con
e rear wheels (rear axle)
of the rear wheels (rear slane of the rear wheels (rear plane the rear wheels (rear slane)
lane the rear wheels (rear plane
trical vehicle)
ne rear wheels (rear axle)
ne rear wheels (rear axle) ne rear wheels (rear axle) of the rear wheels (rear
of the rear wheels (rear of the rear wheels (rear e rear wheels (rear axle) e rear wheels (rear axle) el tank am failure a seam failure) l) tion from the fuel tank becify):

43.	Leakage Location of Fuel System-1	47. Is This Vehicle Equipped With More Than Two Fuel Tanks?
	Leakage Location of Fuel System-2	(O) No (one or two tanks only)
	(O) No fuel tank	
	(1) No fuel leakage	Yes - More Than Two Tanks
	•	(1) Yes no damage to any tank or filler
	Primary Area Of Leakage	cap and <u>no fuel system leakage</u>
	(2) Tank	(2) Yes no damage to any tank or filler
	(3) Filler neck	cap but there is fuel system leakage
	(4) Cap	(specify leakage location):
	(5) Lines/pump/filter	(opoony loakago loadiloh).
	(6) Vent/emission recovery	(3) Yes damage to an additional tank or
		filler cap and there is fuel system leakage
	(8) Other (specify):	(specify the following):
	(9) Unknown	
		Type of tank
	~ 1	Tank location
45.	Fuel Type-1	Filler cap location
	$ \mathcal{O}_{\mathcal{O}}}}}}}}}}$	Tank damage Location of leakage
46.	Fuel Type-2	Location of leakage
		Type of fuel(9) Unknown if more than two tanks
	Single Fuel Type	(9) Unknown if more than two tanks
	(00) No fuel tank	
	(01) Gasoline	
	(02) Diesel	
	(03) CNG (Compressed Natural Gas)	COMMENTS
	(04) LPG (Liquid Petroleum Gas) also	
	known as Propane	
	(05) LNG (Liquid Natural Gas)	
	(06) Methanol (M100 or M85)	
	(07) Ethanol (E100 or E85)	
	(08) Other (Hydrogen or others) (specify):	
	Electric Powered or Electric/Solar	
	Powered Vehicles	
	(10) Lead Acid Battery	
	(11) Nickel-Iron Battery	
	(12) Nickel-Cadmium Battery	
	(13) Sodium Metal Chloride Battery	
	(14) Sodium Sulfur Battery	
	(18) Other (Specify):	
	(98) Other Hybrid (specify):	
ı		
	(99) Unknown fuel type	
:		

*** STOP: IF THE CDS APPLICABLE VEHICLE WAS NOT TOWED ***

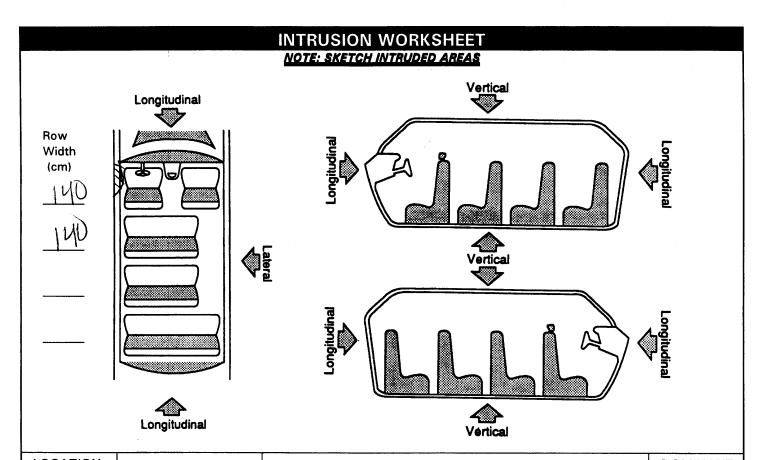
(GV10=0)

DO NOT COMPLETE THE INTERIOR VEHICLE FORM.

INTERIOR VEHICLE FORM

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

Administration	GLAZING
1. Primary Sampling Unit Number	Type of Window/Windshield Glazing
2. Case Number - Stratum 1950	15. WS <u>/</u> 16. LF <u>2</u> 17. RF <u>2</u> 18. LR <u>2</u> 19. RR <u>2</u>
3. Vehicle Number <u>02</u>	20. BL 221. Roof 22. Other 0
4. Passenger Compartment Integrity (00) No integrity loss Yes, Integrity Was Lost Through (01) Windshield (02) Door (side) (03) Door/hatch (back door) (04) Roof (05) Roof glass (06) Side window (07) Rear window (backlight) (08) Roof and roof glass (09) Windshield and door (side) (10) Windshield and roof (11) Side and rear window (side window and backlight) (12) Windshield and side window (13) Door and side window (98) Other combination of above (specify):	(0) No glazing (1) AS-1 — Laminated (2) AS-2 — Tempered (3) AS-3 — Tempered-tinted (original) (4) AS-2 — Tempered-with after market tint (5) AS-3 — Tempered-tinted (with additional after market tint) (6) AS-14 — Glass/Plastic (7) Glazing removed prior to accident (8) Other (specify): (9) Unknown Window Precrash Glazing Status 23. WS
Door, Tailgate or Hatch Opening	Glazing Damage from Impact Forces
5. LF / 6. RF / 7. LR / 8. RR / 9. TG/H /	31. WS 2 32. LF 6 33. RF / 34. LR / 35. RR
(0) No door/gate/hatch (1) Door/gate/hatch remained closed and operational (2) Door/gate/hatch came open during collision (3) Door/gate/hatch jammed shut (8) Other (specify): (9) Unknown Damage/Failure Associated with Door, Tailgate or Hatch	36. BL/ 37. Roof _/ 38. Other
Opening in Collision. If IV05-IV09 ≠ 2, Then code Ø	(9) Unknown if damaged
10. LF 1. RF 12. LR 13. RR 14. TG/H (0) No door/gate/hatch or door not opened	Glazing Damage from Occupant Contact 39. WS 40. LF 41. RF 42. LR 43. RR 43. RR
Door, Tailgate or Hatch Came Open During Collision (1) Door operational (no damage) (2) Latch/striker failure due to damage (3) Hinge failure due to damage (4) Door structure failure due to damage (5) Door support (i.e., pillar, sill, roof side rail, etc.) failure due to damage (6) Latch/striker and hinge failure due to damage (8) Other failure (specify):	44. BL

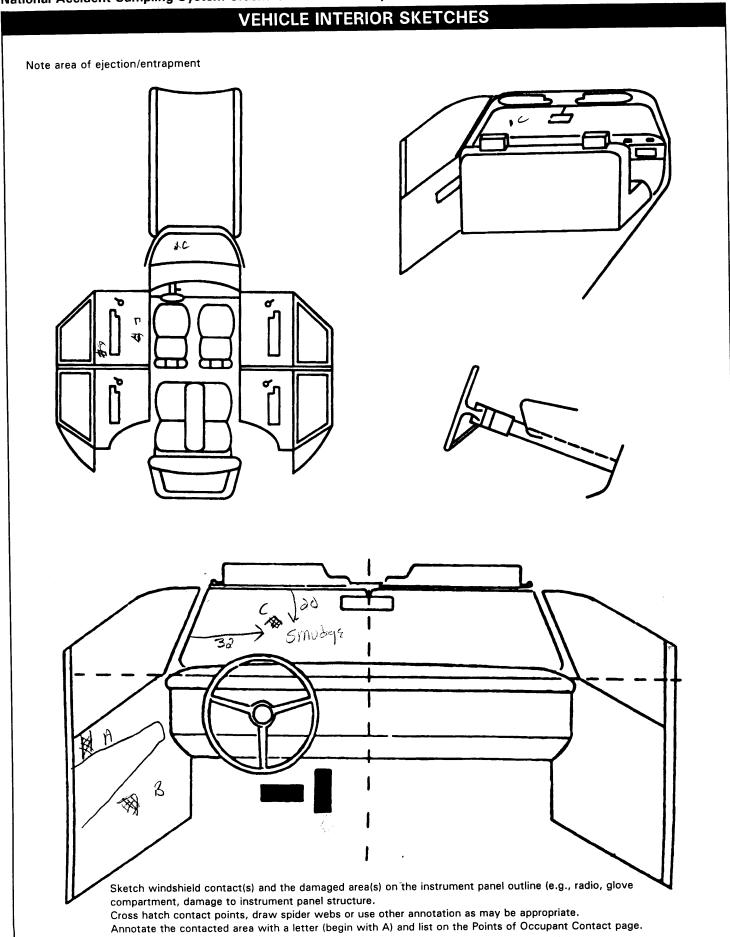


LOCATION OF INTRUSION	INTRUDED COMPONENT	COMPARISON VALUE	Measu —	Irements Are In Cei INTRUDED VALUE	ntimeters) =	INTRUSION	DOMINANT CRUSH DIRECTION
LF	DOOR	69	_	61	=	8	(P:7)
LF	5/11	74	_	64	=	10	207
LF	A Pollar	68		58	=	5	NOTO .
	,	, 0	-		=		
		,	_		=		
					-		
			_	**************************************	=		
			-		=		
		14.0	_		=		
					=		
					=		
					=		
					=		
			_		=		
			_		=	- 147 - 147	

			occu	PANT AR	REA INTRUSION
Note:	If no intrusions	, leave variable	s IV47-IV	86 blank.	INTRUDING COMPONENT
	Location of Intrusion		Magnitude f Intrusion	Dominant Crush Direction	Interior Components (01) Steering assembly (02) Instrument panel left (03) Instrument panel center
1st	47/_/	48	49.2	50. <u>3</u>	(04) Instrument panel right (05) Toe pan (06) A (A1/A2)-pillar (07) B-pillar
2nd	51/_/_	52/	53	54. <u>3</u>	(08) C-pillar (09) D-pillar (10) Side panel - forward of the A1/A2-pillar (11) Door panel (side)
3rd	55	5606_	57	58	(12) Side panel - rear of the B-pillar(13) Roof (or convertible top)(14) Roof side rail(15) Windshield
4th	59	60	61	62	(16) Windshield header (17) Window frame —(18) Floor pan (includes sill) (19) Backlight header
5th	63	64	65	66	(20) Front seat back (21) Second seat back (22) Third seat back (23) Fourth seat back
6th	67	68	69	70	 (24) Fifth seat back (25) Seat cushion (26) Back door/panel (e.g., tailgate) (27) Other interior component (specify):
7th	71	72	73	74	Exterior Components
8th	75	76	77	78	(30) Hood (31) Outside surface of this vehicle (specify): (32) Other exterior object in the environment
9th	79	80	81	82	(specify):(33) Unknown exterior object (97) Catastrophic (98) Intrusion of unlisted component(s)
10th	83	84	85	86	(specify): (99) Unknown
Fre	ATION OF INTR ont Seat (11) Left (12) Middle (13) Right	Fourth 9 (41)	₋eft Middle		MAGNITUDE OF INTRUSION (1) ≥ 3 centimeters but < 8 centimeters (2) ≥ 8 centimeters but < 15 centimeters (3) ≥ 15 centimeters but < 30 centimeters (4) ≥ 30 centimeters but < 46 centimeters (5) ≥ 46 centimeters but < 61 centimeters
	econd Seat (21) Left (22) Middle (23) Right	(98)	Catastrop Other end area (sped	losed	(6) ≥ 61 centimeters (7) Catastrophic (9) Unknown
Th	nird Seat (31) Left (32) Middle (33) Right	(99)	Unknown		DOMINANT CRUSH DIRECTION (1) Vertical (2) Longitudinal (3) Lateral (7) Catastrophic (9) Unknown

STEERING RIM/SPOKE DEFORMATION						
(All Measurements Are in Centimeters)						
COMPARISON VALUE		DAMAGEVALUE	=	DEFORMATION		
øð	_	20	=	d		
	_		=			
			=			
			=			

STEERING COLUMN	INSTRUMENT PANEL
2	92. Odometer Reading <u>O 9 3</u> ,000
87. Steering Column Type (1) Fixed column (2) Tilt column (3) Telescoping column (4) Tilt and telescoping column (8) Other column type (specify):	kilometers Code to the nearest 1,000 kilometers (000) No odometer (001) Less than 1,500 kilometers (500) 499,500 kilometers or more (999) Unknown 57,593miles x 1.6093 = 92,684 kilometers
88. Tilt Steering Column Adjustment (0) No tilt steering column (1) Full up (2) Between full up and center (3) Center (4) Between center and full down (5) Full down (9) Unknown	93. Instrument Panel Damage from Occupant Contact? (0) No (1) Yes (9) Unknown 94. Type of Knee Bolster Covering (0) No knee bolster (1) Padded
89. Telescoping Steering Column Adjustment (0) No telescoping steering column (1) Full back (2) Between full back and midpoint (3) Midpoint (4) Between midpoint and full forward (5) Full forward (9) Unknown	(1) Padded (2) Rigid plastic (8) Other (specify): (9) Unknown 95. Knee Bolsters Deformed from Occupant Contact? (0) No knee bolster (1) No deformation (2) Yes - deformation (9) Unknown
90. Steering Rim/Spoke Deformation Code actual measured deformation to the nearest centimeter (00) No steering rim deformation (01-14) Actual measured value in centimeters (15) 15 centimeters or more (98) Observed deformation cannot be measured (99) Unknown	96. Did Glove Compartment Door Open During Collision(s)? (0) No glove compartment door (1) No - door did not open (2) Yes - door opened (9) Unknown
91. Location of Steering Rim/Spoke Deformation (00) No steering rim deformation Quarter Sections (01) Section A (02) Section B (03) Section C (04) Section D Half Sections (05) Upper half of rim/spoke (06) Lower half of rim/spoke (07) Left half of rim/spoke (08) Right half of rim/spoke (09) Complete steering wheel collapse (10) Undetermined location (99) Unknown	97. Adaptive (Assistive) Driving Equipment (0) No adaptive driving equipment (1) Adaptive driving equipment installed (Check all that apply.) [] Hand controls for braking/acceleration [] Steering control devices (attached to OEM steering wheel [] Steering knob attached to steering wheel [] Low effort power steering (unit or device) [] Replacement steering wheel (i.e., reduced diameter) [] Joy-stick steering controls [] Wheelchair tie-downs [] Modification to seat belts (specify): [] Additional or relocated switches (specify): [] Raised roof [] Wall-mounted head rest (used behind wheelchair) [] Other adaptive device (specify): (9) Unknown



tional Acc	ident Sampling			ta System: Interior Vehicle Fo UPANT CONTACT	rm	Page
Contact	Interior Component Contacted	Occupant No. If Known	Body Region If Known	Supporting Physical Ev	vidence	Confidence Level of Contact Point
Α	051	1	Sds	5 m ldg z		3
В	052	1	cide	5 midge 5 midge 5 midge		3
С	001	1	HANZ	5mdge		3
D						
E						
F						
G					-	
н						
1						
J						
K						
L						
М		2.000				
N						
(006) Steering of code (007) Steering	r g wheel rim g wheel hub/spoke g wheel (combination s 004 and 005)	LEFT SIDE (051) Left sid	le interior surface, ng hardware or ts le hardware or t (A1/A2)-pillar	INTERIOR (151) Seat, back support (152) Belt restraint webbing/buckle (153) Belt restraint B-pillar or door frame attachment point (154) Other restraint system component (specify):	REAR (301) Backlight (rei (302) Backlight sto door, etc. (303) Other rear of ADAPTIVE (ASSIST EQUIPMENT (401) Hand control	orage rack, oject (specify): TIVE) DRIVING

column, transmission selector lever, other attachment (008) Cellular telephone or CB radio (009) Add on equipment(e.g., tapedeck, air conditioner) (010) Left instrument panel and below (011) Center instrument panel and below (012) Right instrument panel and below (013) Glove compartment door (014) Knee bolster (015) Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, mirror, or steering assembly (driver side only) (016) Windshield including one or more of the following: front header, A (A1/A2)-pillar, instrument panel, or mirror (passenger side only) (017) Windshield reinforced by exterior object, (specify):

(019) Other front object (specify):

		(301) Backlight (rear window)
LEFT SIDE	INTERIOR	(302) Backlight storage rack,
(051) Left side interior surface,	(151) Seat, back support	door, etc.
excluding hardware or	(152) Belt restraint webbing/buckle	(303) Other rear object (specify):
armrests	(153) Belt restraint B-pillar or door	
(052) Left side hardware or	frame attachment point	
armrest	(154) Other restraint system	ADAPTIVE (ASSISTIVE) DRIVING
(053) Left A (A1/A2)-pillar	component (specify):	EQUIPMENT
(054) Left B-pillar	, , ,	(401) Hand controls for
(055) Other left pillar (specify):	(155) Head restraint system	braking/acceleration
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(160) Other occupants (specify):	(402) Steering control devices
(056) Left side window glass		(attached to OEM steering
(057) Left side window frame	(161) Interior loose objects	wheel)
(058) Left side window sill	(162) Child safety seat (specify):	(403) Steering knob attached to
(059) Left side window glass		steering wheel
including one or more of	the (163) Other interior object	(405) Replacement steering wheel
following: frame, window	v (specify):	(i.e., reduced diameter)
sill, A (A1/A2)-pillar, B-pi		(406) Joy stick steering controls
or roof side rail.	AIR BAG	(407) Wheelchair tie-downs
(060) Other left side object	(170) Air bag-driver side	(408) Modification to seat belts,
(specify):	(175) Air bag compartment	(specify):
	cover-driver side	(409) Additional or relocated
RIGHT SIDE	(180) Air bag-passenger side	switches, (specify):
(101) Right side interior surface	e, (185) Air bag compartment	
excluding hardware or	cover-passenger side	(410) Raised roof
armrests	(190) Other air bag (specify)	(411) Wall mounted head rest
(102) Right side hardware or	• • • • • • • • • • • • • • • • • • • •	(used behind wheel chair)
armrest	(195) Other air bag compartment	(412) Other adaptive device
(103) Right A (A1/A2)-pillar	cover (specify)	(specify):
(104) Right B-pillar		#* · · · · · · · · · · · · · · · · · · ·
(105) Other right pillar (specify	n):	
3	ROOF	

(201) Front header

(202) Rear header (203) Roof left side rail

FLOOR

(204) Roof right side rail (205) Roof or convertible top

console (253) Parking brake handle (254) Foot controls including

parking brake

(251) Floor (including toe pan)

(252) Floor or console mounted

transmission lever, including

(106) Right side window glass

(107) Right side window frame (108) Right side window sill (109) Right side window glass

or roof side rail.

(110) Other right side object

(specify):

including one or more of the following: frame, window sill, A (A1/A2)-pillar, B-pillar,

CONFIDENCE LEVEL OF CONTACT POINT (1) Certain (2) Probable

Possible

Unknown

(3)

MANUAL RESTRAINTS

NOTES: Encode the applicable data for each seat position in the vehicle. The attribute for the variable may be found below. Restraint systems should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

If a child safety seat is present, encode the data on the back of this page 11.

	If the vehicle has automatic restraints available, encode the appropriate data on page 6.				
		Left	Center	Right	
	A-Availability	3		3	
F	B-Evidence of usage	3		3	
l R	C-Used in this crash?	3		δ	
S	D-Proper Use	9		ð	
Т	E-Failure Modes	9		ე	
	F-Anchorage Adjustment	0		0	
	A-Availability	H		У	
s	B-Evidence of usage	ď		d	
Ē	C-Used in this crash?	0_		0	
ŏ	D-Proper Use	U U		0	
SECOND	E-Failure Modes	O		0	
	F-Anchorage Adjustment	0		0	
	A-Availability				
0	B-Evidence of usage				
Ť	C-Used in this crash?				
H E	D-Proper Use				
Ř	E-Failure Modes				
	F-Anchorage Adjustment		<u> </u>	<u> </u>	

A-Manual (Active) Belt System Availability (0) None available (1) Belt removed/destroyed (2) Shoulder belt (3) Lap belt (4) Lap and shoulder belt (5) Belt available - type unknown Integral Belt Partially Destroyed (6) Shoulder belt (lap belt destroyed/removed) Lap belt (shoulder belt destroyed/removed) Other belt (specify): (9) Unknown B/C-Manual (Active) Belt System Use (00)None used, not available, or belt removed/destroyed (01) Inoperable (specify):

(02)Shoulder belt (03)Lap belt (04)Lap and shoulder belt (05)Belt used - type unknown (80)Other belt used (specify): Shoulder belt used with child safety (12)Lap belt used with child safety seat (13)Lap and shoulder belt used with child safety seat (15)Belt used with child safety seat type unknown Other belt used with child safety

seat (specify):
Unknown if belt used

D-Proper Use of Manual (Active) Belts

- (0) None used or not available
- (1) Belt used properly
- (2) Belt used properly with child safety seat

Belt Used Improperly

- (3) Shoulder belt worn under arm
- (4) Shoulder belt worn behind back or seat
- (5) Belt worn around more than one person
- (6) Lap belt worn on abdomen
- (7) Lap belt or lap and shoulder belt used improperly with child safety seat (specify):
- (8) Other improper use of manual belt system (specify):
- (9) Unknown

F-Shoulder Belt Upper Anchorage Adjustment

- (0) No shoulder belt
- (1) No upper anchorage adjustment for shoulder belt

Adjustable shoulder Belt Upper Anchorage

- (2) In full up position
- (3) In mid position
- (4) In full down position
- (5) Position unknown
- (9) Unknown if position has adjustable upper anchorage adjustment

E-Manual (Active) Belt Failure Modes During Accident

- (0) No manual belt used or not available
- (1) No manual belt failure(s)
- (2) Torn webbing (stretched webbing not included)
- (3) Broken buckle or latchplate
- (4) Upper anchorage separated
- (5) Other anchorage separated (specify):
- (6) Broken retractor
- (7) Combination of above (specify):
- (8) Other manual belt failure (specify):
- (9) Unknown

AUTOMATIC RESTRAINTS

NOTES: Encode the data for each applicable front seat position. The attribute for the variables may be found below. Restraint systems should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

All Ditto				
		Frontal Air BagsLeft Front	Frontal Air Bags-Right Front	OtherAir Bag
F	Availability/Function			
R R	Deployment	X	<u> </u>	
S	Failure			

Air Bag System Availability/Function

- (0) Not equipped/not available
- (1) Air bag

Non-functional

- (2) Air bag disconnected (specify):
- (3) Air bag not reinstalled
- (9) Unknown

Air Bag System Deployment (This Occupant Position)

- (0) Not equipped/not available
- (1) Deployed during accident (as a result of impact)
- (2) Deployed inadvertently just prior to accident
- (3) Deployed, accident sequence undetermined
- (4) Deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical)
- (5) Unknown if deployed
- (7) Nondeployed
- (9) Unknown

Are There Indications of Air Bag System Failure? (This Occupant Position)

- (0) Not equipped/not available
- (1) No
- (2) Yes (specify):
- (9) Unknown

AUTOMATIC BELTS

		Left	Right
	A-Availability/Function	/	/
F	B-Use	/	/
l R	C-Type	2	2
S	D-Proper Use		/
•	E-Failure Modes	1	/

A-Automatic (Passive) Belt System Availability/Function

- (0) Not equipped/not available
- (1) 2 point automatic belts
- (2) 3 point automatic belts
- (3) Automatic belts type unknown

Non-functional

- (4) Automatic belts destroyed or rendered inoperative
- 9) Unknown

B-Automatic (Passive) Belt System Use

- (0) Not equipped/not available/destroyed or rendered inoperative
- (1) Automatic belt in use
- (2) Automatic belt not in use (manually disconnected, motorized track inoperative)
- (3) Automatic belt use unknown
- (9) Unknown

C-Automatic (Passive) Belt System Type

- (0) Not equipped/not available
- (1) Non-motorized system
- (2) Motorized system
- (9) Unknown

D-Proper Use of Automatic (Passive) Belt System

- (0) Not equipped/not available/not used
- (1) Automatic belt used properly
- (2) Automatic belt used properly with child safety seat

Automatic Belt Used Improperly

- (3) Automatic shoulder belt worn under arm
- (4) Automatic shoulder belt worn behind back
- (5) Automatic belt worn around more than one person
- (6) Lap portion of automatic belt worn on abdomen
- (7) Automatic lap and shoulder belt or

automatic shoulder belt used improperly with child safety seat (specify):

- (8) Other improper use of automatic belt system (specify):
- (9) Unknown

E-Automatic (Passive) Belt Failure Modes During Accident

- (0) Not equipped/not available/not in use
- (1) No automatic belt failure(s)
- (2) Torn webbing (stretched webbing not included)
- (3) Broken buckle or latchplate
- (4) Upper anchorage separated
- (5) Other anchorage separated (specify):
- (6) Broken retractor
- (7) Combination of above (specify):
- (8) Other automatic belt failure (specify):
- (9) Unknown

FIRST SEAT FRONTAL AIR BAGS

NOTES: Encode the applicable data *for the driver and first seat passenger* in the vehicle. The attribute for the variable may be found below. Restraint systems should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

	Driver	Passenger
A-Type of air bag?		
B-Flaps open at tear points?		
C-Flaps damaged?		· / /
D-Air bag damaged?		
E-Source of air bag damage	X	$\overline{}$
F-Air bag tethered?		
G-Air bag have vent ports?	/ \	/ /
H-Other occupant contact air bag?		
I-Occupant wearing eyewear?		7

A-Type of Air Bag

- (0) Not equipped/not available
- (1) Original manufacturer installed system
- (2) Retrofitted air bag
- (3) Replacement air bag
- (8) Unknown type of air bag
- (9) Unknown

B-Did Air Bag Module Cover Flap(s) Open At Designated Tear Points?

- (0) Not equipped/not available
- (1) No
- (2) Yes
- (3) Deployed, unknown if flap(s) opened at designated tear points
- (7) Not deployed
- (8) Unknown if deployed
- (9) Unknown

C-Were Air Bag Module Cover Flap(s) Damaged?

- (0) Not equipped/not available
- (1) No
- (2) Yes (specify):
- (3) Deployed, unknown if air bag module cover flap(s) damaged
- (7) Not deployed
- (8) Unknown if deployed
- (9) Unknown

D-Was There Damage To The Air Bag?

- (00) Not equipped/not available
- (01) Not damaged

Yes - Air Bag Damage

- (02) Ruptured
- (03) Cut
- (04) Torn
- (05) Holed
- (06) Burned
- (07) Abraded
- (88) Other damage (specify):
- (95) Damaged, details unknown
- (96) Deployed, unknown if damaged
- (97) Not deployed
- (98) Unknown if deployed
- (99) Unknown

E-Source of Air Bag Damage

- (00) Not equipped/not available
- (01) Not damaged
- (02) Object worn by occupant, (specify):
- (03) Object carried by occupant, (specify):
- (04) Adaptive/assistive controls, (specify):
- (05) Fire in vehicle
- (06) Thermal burns
- (07) Rescue or emergency efforts
- (88) Other damage source (specify):
- (95) Damaged, unknown source
- (96) Deployed, unknown if damaged
- (97) Not deployed
- (98) Unknown if deployed
- (99) Unknown

F-Was The Air Bag Tethered?

- (0) Not equipped/not available
- (1) No.
- (2) Yes (specify number of tether straps):
- (3) Deployed, unknown if tethered
- (7) Not deployed
- (8) Unknown if deployed
- (9) Unknown

G-Did The Air Bag Have Vent Ports?

- (0) Not equipped/not available
- (1) No
- (2) Yes (specify number of vent ports):
- (3) Deployed, unknown if vent ports present
- (7) Not deployed
- (8) Unknown if deployed
- (9) Unknown

H-Was the Air Bag in this Occupant's Position Contacted by Another Occupant?

- (0) Not equipped/not available
- (1) No
- (2) Yes (specify):
- (3) Deployed, unknown if other occupant contact to air bag
- (7) Not deployed
- (8) Unknown if deployed
- (9) Unknown

I-Was This Occupant Wearing Eye-wear?

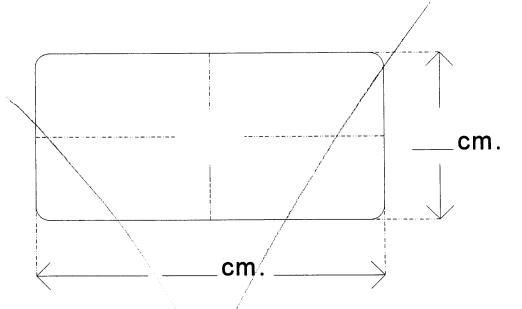
- (0) Not equipped/not available
- (1) No
- (2) Eyeglasses/sunglasses
- (3) Contact lenses
- (4) Deployed, unknown if eyewear worn
- (7) Not deployed
- (8) Unknown if deployed
- (9) Unknown

DRIVER AIR BAG DAMAGE AND CONTACT SKETCHES 1. SKETCH DAMAGE AND CONTACT EVIDENCE ON DRIVER AIR BAG (Front) cm. 2. SKETCH DAMAGE AND CONTACT EVIDENCE ON DRIVER AIR BAG (Back)

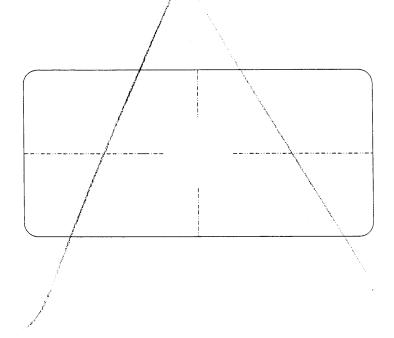
DRIVER AIR BAG SKETCHES (Cont'd) 4. DRIVER AIR BAG MODULE COVER FLAP SIZE 3. DRIVER AIR BAG MODULE COVER FLAP SIZE (DOUBLE) (SINGLE) b. Lower Flap a. Upper Flap width (W_U) ____ width (W_L) ____ width (W_U) _____ width (W_L) _____ height (H) height (H_U) height (H_L) – W。--H, 6. SKETCH OF OTHER TYPE OF AIR BAG VENT 5. SKETCH OF OTHER TYPE OF AIR BAG MODULE PORTS/ **FLAP AND SIZE** 7. SKETCH LOCATION OF CIRCULAR AIR BAG VENT **PORTS**

PASSENGER AIR BAG DAMAGE AND CONTACT SKETCHES

1. SKETCH DAMAGE AND CONTACT EVIDENCE ON PASSENGER AIR BAG (Front)

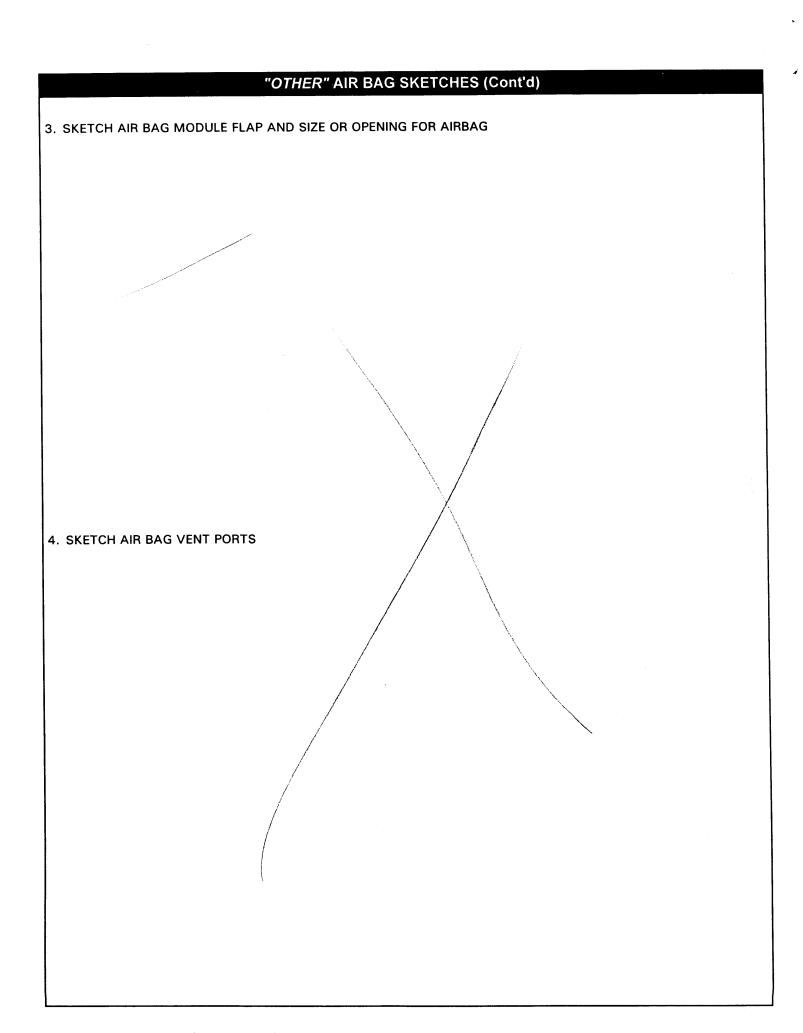


2. SKETCH DAMAGE AND CONTACT EVIDENCE ON PASSENGER AIR BAG (Back)



PASSENGER AIR BAG	S SKETCHES (Cont'd)
3. PASSENGER AIR BAG MODULE COVER FLAP SIZE (SINGLE)	4. PASSENGER AIR BAG MODULE COVER FLAP SIZE (DOUBLE)
idab (AAN	a. Upper Flap b. Lower Flap
width (W)	width (W_U) width (W_L)
height (H)	height (H _U) height (H _L)
H W	W ₀ → ↑ H ₀ H ₁ W ₁ → W ₂ W ₃ → O
5. SKETCH OF OTHER TYPE OF AIR BAG MODULE FLAP AND SIZE	6. SKETCH OF OTHER TYPE OF AIR BAG VENT PORTS
7. SKETCH LOCATION OF RECTANGULAR AIR BAG	
VENT PORTS 10 11 12 1 2	
10 11 12 1 2	
9 8 7 6 5 4	

"OTHER" AIR BAG DAMAGE AND CONTACT SKETCHES		
1. SKETCH DAMAGE AND CONTACT EVIDENCE ON "OTHER" AIR BAG (Front)		
2. SKETCH DAMAGE AND CONTACT EVIDENCE ON "OTHER" AIR BAG (Back)		



HEAD RESTRAINTS/SEAT EVALUATION

NOTES: Encode the applicable data for each seat position in the vehicle. The attribute for these variables may be found on the next page. Head restraint type/damage and seat type/performance should be assessed during the vehicle inspection then coded on the Occupant Assessment Form.

		Left	Center	Right
	A-Head Restraint Type/Damage	3		3
	B-Seat Type	2		<i>></i>
F	C-Seat Orientation	/	X	/.
R S	D-Seat Track Position	6		4
Ť	E-Seat Back Incline Pre/Post Impact	23		<u>23</u>
	F-Seat Performance			
	A-Head Restraint Type/Damage	0		O
	B-Seat Type	67		07
S E	C-Seat Orientation		X	
C O	D-Seat Track Position			0
N D	E-Seat Back Incline Pre/Post Impact	0		0
	F-Seat Performance	0		- C
	A-Head Restraint Type/Damage		l\	
Т	B-Seat Type		\(\frac{1}{2}\)	
Ĥ	C-Seat Orientation	, c		
R	D-Seat Track Position			
D	E-Seat Back Incline Pre/Post Impact			
	F-Seat Performance			
	A-Head Restraint Type/Damage			-
ō	B-Seat Type	161		
H	C-Seat Orientation			
E R	D-Seat Track Position			
	E-Seat Back Incline Pre/Post Impact			
	F-Seat Performance			

DESCRIBE ANY INDICATION OF ABNORMAL OCCUPANT POSTURE (I.E., UNUSUAL OCCUPANT CONTACT PATTERN)

National Accident Sampling System-Crashworthiness Data System: Interior Vehicle Form **HEAD RESTRAINTS/SEAT EVALUATION** E-Seat Back Incline Prior and Post A-Head Restraint Type/Damage by Occupant at This Occupant Position Impact (00) Occupant not seated or no seat (0) No head restraints (01) Not adjustable (1) Integral - no damage (2) Integral - damaged during Upright prior to impact accident (11) Moved to completely rearward (3) Adjustable — no damage(4) Adjustable — damaged during 14 13 15 position 12 Moved to rearward midrange 16 accident position Add-on — no damage Add-on — damaged during Moved to slightly rearward position accident Retained pre-impact position (8) Other (15)Moved to slightly forward Specify): position (9) Unknown Moved to forward midrange (16)position Moved to completely forward (17)position **B-Seat Type (this Occupant** Position) Slightly reclined prior to impact 24 25 (00) Occupant not seated or no 23 (21) Moved to completely rearward 22 seat 26 position (01) Bucket (22)Moved to rearward midrange (02) Bucket with folding back 21 27 position (03) Bench Retained pre-impact postion (04) Bench with separate back Moved to upright position (24)cushions Moved to slightly forward (25)Bench with folding back(s) position (06) Split bench with separate back (26) Moved to forward midrange cushions position (07) Split bench with folding (27)Moved to completely forward back(s) position (80) Pedestal (i.e., column supported) Completely reclined prior to impact (09) Box mounted seat (i.e., van Retained pre-impact position 34 33 35 Moved to rearward midrange (32)(10) Other seat type (specify): 36 32 position (33)Moved to slightly rearward (99) Unknown 37 position (34)Moved to upright position Moved to slightly forward (35)position C-Seat Orientation (this Occupant (36)Moved to forward midrange Position) position (0)Occupant not seated or no Moved to completely forward (37)seat position (1) Forward facing seat Coding diagrams for Seat Back Incline Rear facing seat (2)(99) Unknown Position Prior and Post Impact (3) Side facing seat (inward) (4)Side facing seat (outward) (8) Other (specify): F-Seat Performance (this Occupant (9) Unknown Position) Occupant not seated or no seat (0) No seat performance failure(s) (1)(2) (3) Seat adjusters failed D-Seat Track Adjusted Position Prior Seat back folding locks or "seat To Impact **DESCRIBE ANY INDICATION OF** back" failed (specify): (0)Occupant not seated or no seat Seat tracks/anchors failed (4)Non-adjustable seat track Deformed by impact of occupant (5) ABNORMAL OCCUPANT POSTURE (6)Deformed by passenger Adjustable Seat Track compartment intrusion Seat at forward most track (2) (specify): position (I.E., UNUSUAL OCCUPANT Combination of above (specify): (7)(3)Seat between forward most and middle track positions (8)Other (specify): Seat at middle track position (4)**CONTACT PATTERN)**

Seat between middle and rear

most track positions

position

Unknown

Seat at rear most track

(9)

Unknown

(5)

(6)

(9)

CIIII D. C	ACCTY CEAT	FIELD AC	CECCMENT		
When a child safety seat is present enter the occupant's number using the code	r the occupant's slisted below.	s number in the	e first row and	complete the c	olumn below eat present.
Occupant Number					
Type of Child Safety Seat					
2. Child Safety Seat Orientation					
3. Child Safety Seat Harness Usage					
4. Child Safety Seat Shield Usage		\top			
5. Child Safety Seat Tether Usage					
6. Child Safety Seat Make/Model	Spo	ecify Below fo	r Each Child S	afety Seat	
1. Type of Child Safety Seat (0) No child safety seat (1) Infant seat (2) Toddler seat (3) Convertible seat (4) Booster seat (7) Other type child safety seat (seat) (8) Unknown child safety seat type (9) Unknown if child safety seat type (9) Unknown if child safety seat type (9) Unknown if child safety seat 2. Child Safety Seat Orientation (00) No child safety seat Designed for Rear Facing for This Age/Weight (01) Rear facing (02) Forward facing (08) Other orientation Designed for Forward Facing for The Age/Weight (11) Rear facing (12) Forward facing (13) Other orientation Unknown Design or Orientation Face/Weight, or Unknown Age/Weight (21) Rear facing (22) Forward facing (23) Other orientation (specify):	oe used This	4. Child 5. Child Note: (00) Not D (01) (02) (03) (09) Desig (11) (12) (19) Unkn (21) (22) (29) (99) 6. Child	No child safety resigned with H After market h added, not use After market h Child safety se harness/shield/ Unknown if ha added or used ned With Harn Harness/shield Harness/shield Unknown if ha	nield Usage ether Usage Are Used for seat Harness/Shield/te arness/shield/te at used, but no fether added arness/shield/te ess/Shield/Tetl /tether not use /tether used arness/shield/te ed With Harnes /tether not use /tether used arness/shield/te ed with Harnes /tether used arness/shield/te ed with Harnes /tether used arness/shield/te ed with Harnes /tether used arness/shield/te ed with Harnes /tether used arness/shield/te ed with Harnes /tether used arness/shield/te ed with Harnes	ether ether used o after market ether her ed ether used es/Shield/Tether ed ether used
(29) Unknown orientation					
(99) Unknown if child safety sea	t used	***************************************			

	EJECTION/ENTRAPMENT DA	TA	
Complete the following if the researcher has any indication that an occupant was either ejected from or entrapp in the vehicle. Code the appropriate data on the Occupant Assessment Form. EJECTION No Yes [] Describe indications of ejection and body parts involved in partial ejection(s):			
Occupant Number			
Ejection			
(Note on Vehicle Interior Sketch) Ejection Area			
Ejection Medium			
Medium Status			
Ejection (1) Complete ejection (2) Partial ejection (3) Ejection, Unknown degree (9) Unknown	(7) Roof (8) Other area (e.g., back of pickup, etc.) (specify): (9) Unknown	(5) Integral structure (8) Other medium (specify): (9) Unknown	
Ejection Area (1) Windshield (2) Left front (3) Right front (4) Left rear (5) Right rear (6) Rear	Ejection Medium (1) Door/hatch/tailgate (2) Nonfixed roof structure (3) Fixed glazing (4) Nonfixed glazing (specify): (5) Medium Status (Immed to Impact) (1) Open (2) Closed (3) Integral structure (9) Unknown		
ENTRAPMENT No [Yes Describe entrapment mechanism:	s []		
Component(s):			
(Note on vehicle interior sketch)			

OCCUPANT ASSESSMENT FORM

Form Approved O.M.B. No. 2127-0021

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

nU	OCCUPANT'S SEATING
1. Primary Sampling Unit Number	10. Occupant's Sept Position
2. Case Number - Stratum	10. Occupant's Seat Position Front Seat
3. Vehicle Number	(11) Left side (12) Middle
4. Occupant Number	(13) Right side
OCCUPANT'S CHARACTERISTICS	(14) Other (specify):(15) On or in the lap of another occupant
5. Occupant's Age Code actual age at time of accident. (00) Less than one year old (specify by month): (97) 97 years and older (99) Unknown	Second Seat (21) Left side (22) Middle (23) Right side (24) Other (specify): (25) On or in the lap of another occupant
6. Occupant's Sex (1) Male (2) Female-not reported pregnant (3) Female-pregnant-1st trimester(1st-3rd month) (4) Female-pregnant-2nd trimester(4th-6th month) (5) Female-pregnant-3rd trimester(7th-9th month) (6) Female-pregnant-term unknown (9) Unknown	Third Seat (31) Left side (32) Middle (33) Right side (34) Other (specify): (35) On or in the lap of another occupant Fourth Seat (41) Left side (42) Middle (43) Right side (44) Other (specify): (45) On or in the lap of another occupant
7. Occupant's Height Code actual height to the nearest centimeter. (999) Unknown 50 inches X 2.54 = 150 centimeters	(97) In or on unenclosed area (98) Other seat (specify): (99) Unknown
8. Occupant's Weight Code actual weight to the nearest kilogram. (999) Unknown	11. Occupant's Posture (0) Normal posture Abnormal posture (1) Kneeling or standing on seat (2) Lying on or across seat (3) Kneeling, standing or sitting in front of seat (4) Sitting sideways or turned to talk with another occupant or to look out a rear window (5) Sitting on a console (6) Lying back in a reclined seat position (7) Bracing with feet or hands on a surface in front of seat (8) Other abnormal posture (specify): (9) Unknown

EJECTION/ENTRAPMENT							
12. Ejection (0) No ejection (1) Complete ejection (2) Partial ejection (3) Ejection, unknown degree (9) Unknown	15. Medium Status (Immediately Prior To Impact) (0) No ejection (1) Open (2) Closed (3) Integral structure (9) Unknown						
13. Ejection Area (0) No ejection (1) Windshield (2) Left front (3) Right front (4) Left rear (5) Right rear (6) Rear (7) Roof (8) Other area (e.g., back of pickup, etc.) (specify): (9) Unknown 14. Ejection Medium (0) No ejection (1) Door/hatch/tailgate (2) Nonfixed roof structure (3) Fixed glazing (4) Nonfixed glazing (specify): (5) Integral structure (8) Other medium (specify): (9) Unknown	(0) Not entrapped/exit not inhibited (1) Entrapped/pinned - mechanically restrained (2) Could not exit vehicle due to jammed doors, fire, etc. (specify): (9) Unknown 17. Occupant Mobility (0) Occupant fatal before removed from vehicle (1) Removed from vehicle while unconscious or not oriented to time or place (2) Removed from vehicle due to perceived serious injuries (3) Exited vehicle with some assistance (4) Exited vehicle under own power (5) Occupant fully ejected (8) Removed from vehicle for other reasons (specify): (9) Unknown						

		BELT SYSTE	M FUNCTION	
	(0) (1) (2) (3)	ual (Active) Belt System Availability None available Belt removed/destroyed Shoulder belt Lap belt Lap and shoulder belt	22. Manual Shoulder Belt Upper Anchorage Adjustment (0) No manual shoulder belt (1) No upper anchorage adjustment for manual shoulder belt Adjustable shoulder Belt Upper Anchorage)
	(5) Integ (6) (7)	Belt available – type unknown gral Belt Partially Destroyed Shoulder belt (lap belt destroyed/removed) Lap belt (shoulder belt destroyed/removed) Other belt (specify):	(2) In full up position (3) In mid position (4) In full down position (5) Position unknown (9) Unknown if position has adjustable upper anchorage adjustment	
	(9)	Unknown	23. Automatic (Passive) Belt System Availability/ Function	-
19.	(00)	ual (Active) Belt System Use None used, not available, or belt removed/destroyed Inoperative (specify):	(0) Not equipped/not available(1) 2 point automatic belts(2) 3 point automatic belts(3) Automatic belts - type unknown	
	(03) (04)	Shoulder belt Lap belt Lap and shoulder belt	Non-functional (4) Automatic belts destroyed or rendered inoperative (9) Unknown	
	(08)	Belt used—type unknown Other belt used (specify):	Automatic (Passive) Belt System Use (0) Not equipped/not available/destroyed or rendered inoperative	-
	(13)	Shoulder belt used with child safety seat Lap belt used with child safety seat Lap and shoulder belt used with child safety seat	(1) Automatic belt in use (2) Automatic belt not in use (manually disconnected, motorized track inoperative) (specify):	
	(15) (18)	Belt used with child safety seat—type unknown Other belt used with child safety seat (specify):	(3) Automatic belt use unknown (9) Unknown	
20.	Prop	Unknown if belt used per Use of Manual (Active) Belts	25. Automatic (Passive) Belt System Type (0) Not equipped/not available (1) Non-motorized system (2) Motorized system	7
	(1)	None used or not available Belt used properly Belt used properly with child safety seat	(9) Unknown 26. Proper Use of Automatic (Passive)	
	<i>Belt</i> (3) (4)	Used Improperly Shoulder belt worn under arm Shoulder belt worn behind back or seat Belt worn around more than one person	Belt System (0) Not equipped/not available/not used (1) Automatic belt used properly (2) Automatic belt used properly with child safety seat	_
	(6) (7)	Lap belt worn on abdomen Lap belt or lap and shoulder belt used improperly with child safety seat (specify):	Automatic Belt Used Improperly (3) Automatic shoulder belt worn under arm (4) Automatic shoulder belt worn behind back (5) Automatic belt worn around more than	
		Other improper use of manual belt system (specify):	one person (6) Lap portion of automatic belt worn on abdomen	
21		Unknown nual (Active) Belt Failure Modes	(7) Automatic lap and shoulder belt or automatic shoulder belt used improperly	
21.	Duri (0)	ing Accident No manual belt used or not available	with child safety seat (specify): (8) Other improper use of automatic belt system	
		No manual belt failure(s) Torn webbing (stretched webbing not included)	(specify):(9) Unknown	ı
	(4)	Broken buckle or latchplate Upper anchorage separated Other anchorage separated (specify):	27. Automatic (Passive) Belt Failure Modes During Accident (0) Not equipped/not available/not in use	<u>/</u>
	(7)	Broken retractor Combination of above (specify):	 (1) No automatic belt failure(s) (2) Torn webbing (stretched webbing not included) (3) Broken buckle or latchplate (4) Upper anchorage separated 	
		Other manual belt failure (specify):	(5) Other anchorage separated (specify):	
	(9)	Unknown	(6) Broken retractor(7) Combination of above (specify):(8) Other automatic belt failure (specify):	
			(9) Unknown	

POLICE REPORTED RESTRAINT USE	AIR BAG SYSTEM FUNCTION
28. Police Reported Belt Use (0) None used (1) Police did not indicate belt use (2) Shoulder belt (3) Lap belt (4) Lap and shoulder belt (5) Belt used, type not specified (6) Child safety seat (7) Automatic belt (8) Other type belt, (specify):	30. Frontal Air Bag System Availability/Function (This Occupant Position) (0) Not equipped/not available (1) Air bag Non-functional (2) Air bag disconnected (specify): (3) Air bag not reinstalled (9) Unknown
(9) Police indicated "unknown" 29. Police Reported Air Bag Availability/Function (0) No air bag available (1) Police did not indicate air bag availability/function (2) Deployed (3) Not deployed (4) Unknown if deployed (9) Police indicated "unknown"	31. Frontal Air Bag System Deployment (This Occupant Position) (0) Not equipped/not available (1) Deployed during accident (as a result of impact) (2) Deployed inadvertently just prior to accident (3) Deployed, details unknown (4) Deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical) (5) Unknown if deployed (7) Nondeployed (9) Unknown
Check the Primary Source Used In Determining Belt Use. [32. Other Than First Seat Frontal Air Bag Availability/Function (This Occupant Position) (0) Not equipped/not available (1) Air bag Non-functional (2) Air bag disconnected (specify): (3) Air bag not reinstalled (9) Unknown Specify type of "other" air bag present:
	33. Air Bag(s) Deployment, Other Than First Seat Frontal (This Occupant Position) (0) Not equipped with an "other" air bag (1) Deployed during accident (as a result of impact) (2) Deployed inadvertently just prior to accident (3) Deployed, details unknown (4) Deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical) (5) Unknown if deployed (7) Nondeployed (9) Unknown 34. Are There Indications of Air Bag System Failure?
	Failure? (This Occupant Position) (O) Not equipped/not available (1) No (2) Yes (specify): (9) Unknown

FIRST SEAT FRONTAL AIR	BAG STSTEW EVALUATION
35. Had Vehicle Been in Previous Accident(s)? (0) Not equipped/not available (1) No previous accidents Yes (2) Previous accident(s) without deployment(s) (3) One previous accident with deployment (4) More than one previous accident with at least one deployment (8) Previous accidents, unknown deployment status (9) Unknown	40. Longitudinal Component of Delta V For Air Bag Deployment Impact (_000) Not equipped/not available Code the value of the delta V for the impact that initiated the air bag deployment (_996) Deployment, unknown longitudinal Delta V (_997) Not deployed (_998) Unknown if deployed (_999) Unknown
36. Type of Air Bag (0) Not equipped/not available (1) Original manufacturer installed system (2) Retrofitted air bag (3) Replacement air bag (8) Unknown type of air bag (9) Unknown	41. Did Air Bag Module Cover Flap(s) Open At Designated Tear Points? (0) Not equipped/not available (1) No (2) Yes (3) Deployed, unknown if flap(s) opened at designated tear points (7) Not deployed (8) Unknown if deployed
37. Had Any Prior Maintenance/Service Been Performed On This Air Bag System? (0) Not equipped/not available (1) No prior maintenance (2) Yes, prior maintenance (specify): (9) Unknown 38. Air Bag Deployment Accident Event Sequence Number (00) Not equipped/not available	(9) Unknown 42. Were Air Bag Module Cover Flap(s) Damaged? (0) Not equipped/not available (1) No (2) Yes (specify): (3) Deployed, unknown if air bag module cover flap(s) damaged (7) Not deployed (8) Unknown if deployed (9) Unknown
Code the accident event sequence number that initiated the air bag deployment (96) Deployed, unknown event (97) Not deployed (98) Unknown if deployed (99) Unknown	43. Was There Damage To The Air Bag? (00) Not equipped/not available (01) Not damaged Yes - Air Bag Damage (02) Ruptured (03) Cut (04) Torn
39. CDC For Air Bag Deployment Impact (0) Not equipped/not available (1) Highest delta V (2) Second highest delta V (3) Other non-coded delta V (specify): (6) Deployed, unknown event (7) Not deployed (8) Unknown if deployed (9) Unknown	(05) Holed (06) Burned (07) Abraded (88) Other damage (specify): (95) Damaged, details unknown (96) Deployed, unknown if damaged (97) Not deployed (98) Unknown if deployed (99) Unknown

FIRST SEAT FRONTAL AIR BAG SYSTEM EVALUATION continued	HEAD RESTRAINT AND SEAT EVALUATION
44. Source of Air Bag Damage (00) Not equipped/not available (01) Not damaged (02) Object worn by occupant, (specify): (03) Object carried by occupant, (specify): (04) Adaptive/assistive controls, (specify): (05) Fire in vehicle (06) Thermal burns	49. Head Restraint Type/Damage by Occupant at This Occupant Position (0) No head restraints (1) Integral—no damage (2) Integral—damaged during accident (3) Adjustable—no damage (4) Adjustable—damaged during accident (5) Add-on—no damage (6) Add-on—damaged during accident (8) Other (specify):
(07) Rescue or emergency efforts (88) Other damage source (specify): (95) Damaged, unknown source (96) Deployed, unknown if damaged (97) Not deployed (98) Unknown if deployed (99) Unknown	50. Seat Type (this Occupant Position) (00) Occupant not seated or no seat (01) Bucket (02) Bucket with folding back (03) Bench (04) Bench with separate back cushions (05) Bench with folding back(s) (06) Split bench with separate back cushions
45. Was The Air Bag Tethered? (0) Not equipped/not available (1) No (2) Yes (specify number of tether straps): (3) Deployed, unknown if tethered (7) Not deployed (8) Unknown if deployed (9) Unknown	(07) Split bench with folding back(s) (08) Pedestal (i.e., column supported) (09) Box mounted seat (i.e., van type) (10) Other seat type (specify): (99) Unknown 51. Seat Orientation (this Occupant Position) (0) Occupant not seated or no seat (1) Forward facing seat
46. Did The Air Bag Have Vent Ports? (0) Not equipped/not available (1) No (2) Yes (specify number of vent ports): (3) Deployed, unknown if vent ports present (7) Not deployed (8) Unknown if deployed (9) Unknown	(2) Rear facing seat (3) Side facing seat (inward) (4) Side facing seat (outward) (8) Other (specify): (9) Unknown 52. Seat Track Adjusted Position Prior To Impact (0) Occupant not seated or no seat (1) Non-adjustable seat track
 47. Was the Air Bag in this Occupant's Position Contacted by Another Occupant? (0) Not equipped/not available (1) No (2) Yes (specify): (3) Deployed, unknown if other occupant contact to air bag (7) Not deployed (8) Unknown if deployed (9) Unknown 	Adjustable Seat Track (2) Seat at forward most track position (3) Seat between forward most and middle track positions (4) Seat at middle track position
48. Was This Occupant Wearing Eye-wear? (0) Not air bag equipped/air bag not available (1) No (2) Eyeglasses/sunglasses (3) Contact lenses (4) Deployed, unknown if eyewear worn (7) Not deployed (8) Unknown if deployed (9) Unknown	

HEAD RESTRAINT AND SEAT EVALUATION continued

53. Seat Back Incline Prior and Post Impact



- (00) Occupant not seated or no seat
- (01) Not adjustable

Upright prior to impact

- (11) Moved to completely rearward position
- (12) Moved to rearward midrange position
- (13) Moved to slightly rearward position
- (14) Retained pre-impact position
- (15) Moved to slightly forward position
- (16) Moved to forward midrange position
- (17) Moved to completely forward position

Slightly reclined prior to impact

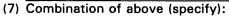
- (21) Moved to completely rearward position
- (22) Moved to rearward midrange position
- (23) Retained pre-impact position
- (24) Moved to upright position
- (25) Moved to slightly forward position
- (26) Moved to forward midrange position
- (27) Moved to completely forward position

Completely reclined prior to impact

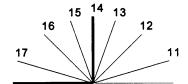
- (31) Retained pre-impact position
- (32) Moved to rearward midrange position
- (33) Moved to slightly rearward position
- (34) Moved to upright position
- (35) Moved to slightly forward position
- (36) Moved to forward midrange position
- (37) Moved to completely forward position
- (99) Unknown
- 54. Seat Performance (this Occupant Position)

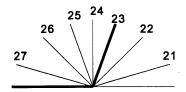


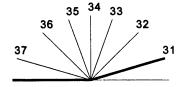
- (0) Occupant not seated or no seat
- (1) No seat performance failure(s)
- (2) Seat adjusters failed
- (3) Seat back folding locks or "seat back" failed (specify):
- (4) Seat track/anchors failed
- (5) Deformed by impact of occupant
- (6) Deformed by passenger compartment intrusion, (specify):



- (8) Other (specify):
- (9) Unknown







	CHIED SA	FETY SEAT
55.	Child Safety Seat Make/Model (000) No child safety seat	58. Child Safety Seat Harness Usage
	Applicable codes are found in your NASS CDS Data Collection, Coding and Editing	59. Child Safety Seat Shield Usage
	(950) Built-in child safety seat (997) Other make/model (specify):	60. Child Safety Seat Tether Usage
	(998) Unknown make/model (999) Unknown if child safety seat used	Note: Options below applicable to Variables OA58-OA60. (00) No child safety seat
56.	Type of Child Safety Seat (0) No child safety seat	Not Designed With Harness/Shield/Tether
	(1) Infant seat(2) Toddler seat	(01) After market harness/shield/tether added, not used
	(3) Convertible seat(4) Booster seat - with shield(5) Booster seat - without shield	(O2) After market harness/shield/tether used (O3) Child safety seat used, but no after market harness/shield/tether added
	(7) Other type child safety seat (specify):	(09) Unknown if harness/shield/tether added or used
	(8) Unknown child safety seat type(9) Unknown if child safety seat used	Designed With Harness/Shield/Tether (11) Harness/shield/tether not used
57.	Child Safety Seat Orientation (00) No child safety seat	(12) Harness/shield/tether used (19) Unknown if harness/shield/tether used
	Designed for Rear Facing for This Age/Weight (01) Rear facing	Unknown If Designed With Harness/Shield/Tether (21) Harness/shield/tether not used (22) Harness/shield/tether used
<u> </u>	(02) Forward facing (08) Other orientation (specify):	(29) Unknown if harness/shield/tether used (99) Unknown if child safety seat used
	(09) Unknown orientation	(65, 65, 65, 65, 65, 65, 65, 65, 65, 65,
	Designed For Forward Facing for This Age/Weight (11) Rear facing (12) Forward facing	
	(18) Other orientation (specify):	
	(19) Unknown orientation	
	Unknown Design or Orientation For This Age/Weight, or Unknown Age/Weight (21) Rear facing	
	(22) Forward facing(28) Other orientation (specify):	
	(29) Unknown orientation	
	(99) Unknown if child safety seat used	

				•		3 -
	INJURY CONSEQUENCES					
61.	Injury Severity (Police Rating)		63.	Type Of Medical Facility (for Ini	tial Trea	atment) 🔍
	 (0) O - No injury (1) C - Possible injury (2) B - Nonincapacitating injury (3) A - Incapacitating injury (4) K - Killed (5) U - Injury, severity unknown (6) Died prior to accident (9) Unknown 	ı		 (0) Not treated at a medical fact (1) Trauma center (2) Hospital (3) Medical clinic (4) Physician's office (5) Treatment later at medical f (8) Other (specify): (9) Unknown 	ility	
62.	Treatment - Mortality (0) No treatment (1) Fatal (2) Fatal - ruled disease (specify):	4	64.	Hospital Stay (00) Not Hospitalized Code the number of days (that the occupant stayed in hos (61) 61 days or more		
	Nonfatal			(99) Unknown		
	 (3) Hospitalization (4) Transported and released (5) Treatment at scene - nontransported (6) Treatment later (7) Treatment - other (specify): (8) Transported to a medical facility-unknown 	- lown if	65.	Working Days Lost Code the number of days (up through 60) that the occupation lost from work due to the accidance (00) No working days lost (61) 61 days or more		_03
	treated (9) Unknown			(62) Fatally injured(97) Not working prior to accide(99) Unknown	ent	
	EMERGENO	CY RESPO	NS	EINFORMATION		
	EMS Notification (1) Not notified (2) Notified	ROAD VÉHICLÉ		EMS Type (01) Fire department - (02) Rescue squad	FIRST UNIT	TRANSPORTING UNIT

	tification		EMS	Туре	FIRST	TRANSPORTI
(1) N	lot notified	ROAD VĒHICLĒ	(01)	Fire department	FIRST	UNIT
(2) N	lotified		(02)	Rescue squad		
(9) U	Jnknown .	AIR VEHICLE	(03)	Police department	ROAD VE	HICLE
			(04)	Trauma unit		
			(05)	Disaster unit	AIR VEH	IICLE
EMS Not	tificationTime (first unit)		(06)	Ambulance service unit		
(9999)	Unknown	ROAD VEHICLE	(07)	Hospital		
			(08)	Mortuaries/funeral homes		
	-	AIR VEHICLE	(98)	Other, specifiy:		
			(99)	Unknown	~~~~~	
EMS Arr	ival Time (first unit)					
(9998)	EMS cancelled or did	ROAD VEHICLE				
	not arrive		EMS	Care		DUBIN
(9999)	Unknown	AIR VEHICLE	(01)	No care administered	ON-SCENE	DURING TRANSPO
			(02)	First aid		
			(03)	Resuscitation	ROAD VE	HICLE
EMS Der	parture Time To		(04)	CPR		
	nt Facility (transporting unit)	ROAD VEHICLE	(05)	Emergency cardiac care	AIR VEH	ICLE
(9997)	EMS arrived, provided		(06)	Life support system monitor	orina (blood r	aressur
	treatment, but did not	AIR VEHICLE		pulse rate, respiration, EK		J. 000ui (
	transport		(07)	Emergency burn care	-,	
(9998)	EMS arrived, but was		(08)	Combination of above, spe	ecify:	
	not used		(98)	Other, specify:	,.	
	Unknown		(99)	Unknown		

TO BE CODED BY THE ZONE CENTER

	INJURY CONSEQUENCES	TRAUMA DATA
66.	Time to Death Code number of hours from time of accident to time of death up through 24 hours. If time of death is greater than 24 hours, code number of days. (Note: 1 day = 31, 2 days = 32, n days = 30 + n up through 30 days = 60) (00) Not fatal (96) Fatal - ruled disease (99) Unknown	71. Glasgow Coma Scale (GCS) Score (at Medical Facility) (00) Not injured (01) Injured - not treated at medical facility (02) No GCS Score at medical facility (03-15) Code the actual value of the initial GCS Score recorded at medical facility. (97) Injured, details unknown (99) Unknown if injured
68.	1st Medically Reported Cause of Death 2nd Medically Reported Cause of Death Code the Occupant Injury from line number(s) for the medically reported injury(s) which reportedly contributed to this occupant's death (00) Not fatal or no additional causes (96) Mode of death given but specific injuries are not linked to cause of death. (specify):	72. Was the Occupant Given Blood? (1) No - blood not given (2) Yes - blood given (specify units): (9) Unknown if blood given 73. Arterial Blood Gases (ABG) – HCO ₃ (00) Not injured (01) Injured, ABGs not measured or reported (02-50) Code the actual value of the HCO ₃ (96) ABGs reported , HCO ₃ unknown (97) Injured, details unknown (99) Unknown if injured
	(97) Other result (includes fatal ruled disease) (specify): (99) Unknown	74. Primary Source of Belt Use Determination
70.	Number of Recorded Injuries for This OccupantCode the actual number of injuries recorded for this occupant. (00) No recorded injuries (97) Injured, details unknown (99) Unknown if injured	(0) Not equipped/not available/destroyed or rendered inoperative (1) Vehicle inspection (2) Official injury data (3) Driver/occupant interview (8) Other (specify): (9) Unknown if belt used

U.S. Department of Transportation National Highway Traffic Safety Administration

OCCUPANT INJURY FORM

Form Approved O.M.B. No. 2127-0021

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

1. Primary Sampling Unit Number

3. Vehicle Number

2. Case Number - Stratum

4. Occupant Number

INJURY DATA

Record below the actual injuries sustained by this occupant that were identified from the official and unofficial data sources. Remember not to double count an injury just because it was identified from two different sources. If greater than ten injuries have been documented, encode the balance on the Occupant Injury Supplement.

1st	_	6.				Severity	Aspect	Injury Source	Confidence Level	Indirect Injury	Intrusion Number
2nd ·	_		7. <u>4</u>	8. <u>04</u>	9. <u>02</u>	10	11.2	12. <u>203</u>	13. 2	14	15. <u>0</u> 0
	16.	17. 6	18	19. 06	20. 78	21	22. 8	23. <u>60</u> 3	324. 2	25. 2	26. <u>D</u>
3rd (27	287	29. 9	30. <u>0</u> <u>4</u>	31.02	32	33.2	34. <u>05 1</u>	35	36	37. <u>02</u>
4th	зв7	398	40. 9	41. <u>04</u>	42. 0 2	43	44.2	45. <u>05</u> _	46. <u>/</u>	47	48. <u>02</u>
5th	49	50	51.	52.	53	54.	55	56	57	58	59
6th	60	61	62	63	64	65	66	67	68.	69	70
7th	71	72	73	74.	75.	76	77.	78	79	80	81.
8th	82	83	84	85	86	87	88	89	90	91	92. <u>-</u>
9th	93	94	95	96	97.	98.	99	100	_ 101	102	103
10th 1	04	105	106	107	108	109	110	111.	_112	113	114

				OCC	UPANT I	INJURY	DATA				
	Source of Injury Data	Body Region	Type of Anatomic Structure	A.I.S 90 Specific Anatomic Structure		A.I.S. Severity	Aspect	Injury Source	Injury Source Confidence Level	Direct/ Indirect Injury	Occupant Area Intrusion Number
11th			-	, ' '							
12th					————————————————————————————————————		·				
13th	<u>.</u>								en i <u>——</u> Nytan	_	
14th											
15th											
16th											
17th											
18th	<u> </u>										
19th							-				
20th							_				
21st			_								
22nd			-								
23rd											
24th											
25th											· · · · · · · · · · · · · · · · · · ·

OCCUPANT INJURY CLASSIFICATION

Body Region

- Head (1)
- (2) Face
- (3)Neck
- (4)Thorax
- Abdomen (5)
- (6)Spine
- (7) **Upper Extremity Lower Extremity** (8)
- Unspecified (9)

Type of Anatomic Structure

- Whole Area (1)
- (2)Vessels
- (3) Nerves
- (4) Organs (includes Muscles/ligaments)
- (5) Skeletal (includes joints)
- Head LOC (6)
- (9) Skin

Specific Anatomic Structure

Vessels, Nerves, Organs. Bones, Joints are assigned consecutive two digit numbers beginning with 02.

The exceptions to this rule apply to:

- Whole Area (02) Skin Abrasion
- (04) Skin Contusion
- (06) Skin Laceration (08) Skin - Avulsion
- (10) Amputation
- (20) Burn
- (30) Crush
- (40) Degloving
- Injury NFS (50)
- (90)Trauma, other than mechanical

Head - LOC

(02) Length of LOC

- (04) Level
- (06) of
- (08) Consciousness
- (10) Concussion

Spine

- (02) Cervical
- (04) Thoracic
- (06) Lumbar

Level of Injury

Specific injuries are assigned consecutive two-digit numbers beginning with 02.

To the extent possible, within the organizational framework of the AIS, 00 is assigned to an injury NFS as to severity or where only one injury is given in the dictionary for that anatomic structure. 99 is assigned to any injury NFS as to lesion or severity.

Abbreviated Injury Scale

- Minor Injury (1)
- (2) Moderate Injury
- (3) Serious Injury
- (4)Severe Injury
- (5) Critical Injury
- Maximum (6) (untreatable)
- (7)Injured, unknown severity

Aspect

- Right
- (2)Left
- (3) Bilateral
- (4)Central
- (5) Anterior
- (6)Posterior
- Superior (7)(8)Inferior
- (9) Unknown
- (0) Whole region

DIRECT/INDIRECT INJURY INJURY SOURCE SOURCE OF INJURY DATA CONFIDENCE LEVEL OFFICIAL RECORDS (1) Direct contact injury (1) Autopsy records with or (1) Certain (2) Indirect contact injury (2) Probable without hospital/medical Noncontact injury (3) Possible (3) records (9) Unknown (7) Injured, unknown source (2) Hospital/medical records other than emergency room (e.g., discharge summary) (3) Emergency room records only (including associated X-rays or other lab reports) (4) Private physician, walk-in or emergency clinic **UNOFFICIAL RECORDS** (5) Lay coroner report (6) E.M.S. personnel (7) Interviewee (8) Other source (specify): (9) Police

INJURY SOURCES FRONT (102) Right side hardware or (183) Air bag-passenger side and (411) Wall mounted head rest (001) Windshield object held (used behind wheel chair) (002) Mirror (103) Right A (A1/A2)-pillar (184) Air bag-passenger side and (412) Other adaptive device (003) Sunvisor (104) Right B-pillar object in mouth (specify): (004) Steering wheel rim (105) Other right pillar (specify): (185) Air bag compartment (005) Steering wheel hub/spoke cover-passenger side (006) Steering wheel (combination (106) Right side window glass (186) Air bag compartment EXTERIOR of OCCUPANT'S of codes 004 and 005) (107) Right side window frame cover-passenger side and **VEHICLE** (007) Steering column, (108) Right side window sill (451) Hood eyewear transmission selector lever, (109) Right side window glass (187) Air bag compartment (452) Outside hardware (e.g., other attachment including one or more of the cover-passenger side and outside mirror, antenna) (008) Cellular telephone or CB following: frame, window jewelry (453) Other exterior surface or sill, A (A1/A2)-pillar, B-pillar, (188) Air bag compartment tires (specify): (009) Add on equipment (e.g., or roof side rail. cover-passenger side and tape deck, air conditioner) (110) Other right side object object held (010) Left instrument panel and (specify): (189) Air bag compartment (454) Unknown exterior objects below cover-passenger side and (011) Center instrument panel and object in mouth **EXTERIOR OF OTHER MOTOR** (190) Other air bag (specify) below INTERIOR VEHICLE (012) Right instrument panel and (151) Seat, back support (501) Front bumper (195) Other air bag compartment below (152) Belt restraint webbing/buckle (502) Hood edge (013) Glove compartment door (153) Belt restraint B-pillar or door cover (specify) (503) Other front of vehicle (014) Knee bolster frame attachment point (specify): (154) Other restraint system (015) Windshield including one or more of the following: front component (specify): (504) Hood header, A (A1/A2)-pillar, (201) Front header (505) Hood ornament instrument panel, mirror, or (155) Head restraint system (202) Rear header (506) Windshield, roof rail, A-pillar steering assembly (driver (160) Other occupants (specify): (203) Roof left side rail (507) Side surface side only) (204) Roof right side rail (508) Side mirrors (016) Windshield including one or (161) Interior loose objects (205) Roof or convertible top (509) Other side protrusions more of the following: front (162) Child safety seat (specify): (specify): header, A (A1/A2)-pillar, **FLOOR** (163) Other interior object instrument panel, or mirror (251) Floor (including toe pan) (510) Rear surface (passenger side only) (specify): (252) Floor or console mounted (511) Undercarriage (017) Windshield reinforced by transmission lever, including (512) Tires and wheels exterior object (specify) console (513) Other exterior of other motor AIR BAG (253) Parking brake handle vehicle (specify): (019) Other front object (specify): (170) Air bag-driver side (254) Foot controls including (171) Air bag-driver side and (514) Unknown exterior of other parking brake evewear motor vehicle LEFT SIDE (172) Air bag-driver side and REAR (051) Left side interior surface, jewelry (301) Backlight (rear window) OTHER VEHICLE OR OBJECT IN excluding hardware or (173) Air bag-driver side and object (302) Backlight storage rack, THE ENVIRONMENT armrests held door, etc. (551) Ground (052) Left side hardware or (174) Air bag-driver side and object (303) Other rear object (specify): (598) Other vehicle or object armrest (specify): (053) Left A (A1/A2)-pillar (175) Air bag compartment (054) Left B-pillar cover-driver side ADAPTIVE (ASSISTIVE) DRIVING (599) Unknown vehicle or object (055) Other left pillar (specify): (176) Air bag compartment EQUIPMENT cover-driver side and (401) Hand controls for NONCONTACT INJURY (056) Left side window glass evewear braking/acceleration (601) Fire in vehicle (057) Left side window frame (177) Air bag compartment (402) Steering control devices (602) Flying glass (058) Left side window sill cover-driver side and jewelry (attached to OEM steering (603) Other noncontact injury (059) Left side window glass (178) Air bag compartment wheel) source including one or more of the cover-driver side and object (403) Steering knob attached to (specify): following: frame, window steering wheel (604) Air bag exhaust gases (179) Air bag compartment sill, A (A1/A2)-pillar, B-pillar, (405) Replacement steering wheel (697) Injured, unknown source or roof side rail. cover-driver side and object (i.e., reduced diameter) (060) Other left side object (406) Joy stick steering controls (specify): (180) Air bag-passenger side (407) Wheelchair tie-downs (181) Air bag-passenger side and (408) Modification to seat belts, evewear (specify): RIGHT SIDE (182) Air bag-passenger side and (409) Additional or relocated (101) Right side interior surface, jewelry switches, (specify): excluding hardware or armrests (410) Raised roof

Page

OFFICIAL INJURY DATA — SOFT TISSUE INJURIES

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)

Restrained?

__ No

Blood Alcohol Level (mg/dl)

BAL = ____

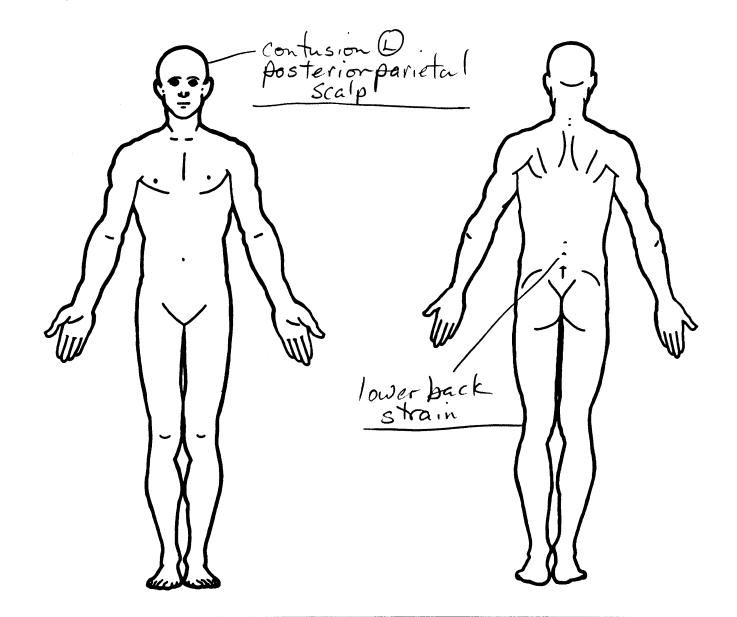
Glasgow Coma Scale Score

gcss = 15

Units of Blood Given

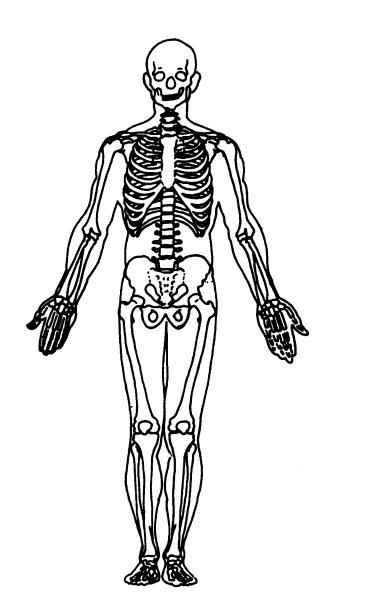
Units =

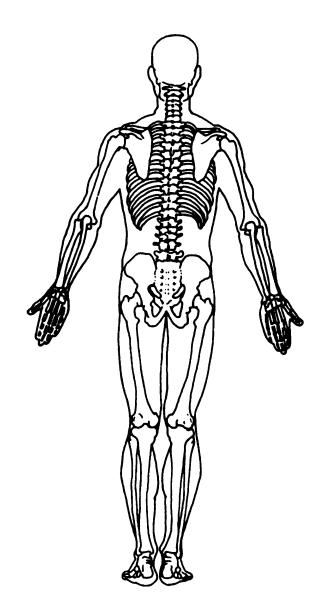
Arterial Blood Gases



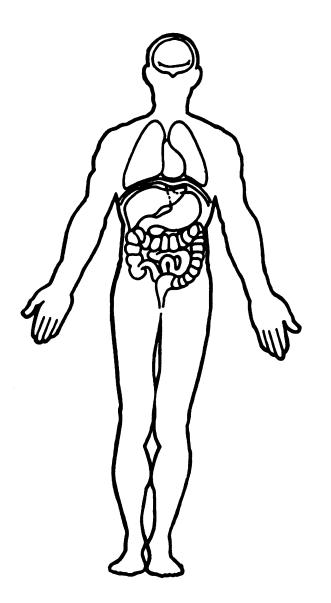
OFFICIAL INJURY DATA — SKELETAL INJURIES

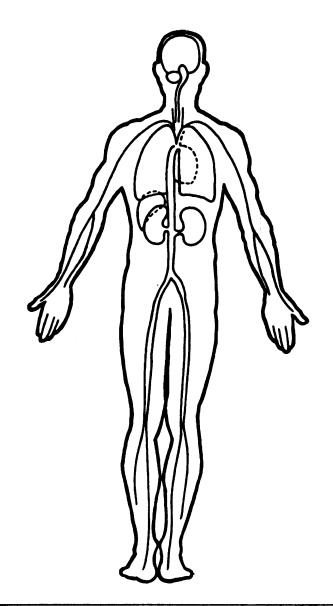
Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)





Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)







SMASH PROGRAM SUMMARY

(All Measurements In Metric)

NATIONAL ACCIDENT SAMPLING SYSTEM

U.S. Department of Transportation **National Highway Traffic Safety**

CRASHWORTHINESS DATA SYSTEM

Administration Identifying Title Accident Event Date (Month, day, year) of Run Case No.-Stratum Primary Sequence No. Sampling Unit GENERAL INFORMATION **VEHICLE 2 VEHICLE I** NASS Vehicle Number **NASS Vehicle Number** Year Year Make Make Model Model **Body Style Body Style** CDC CDC Damaged Side Damaged Side **PDOF PDOF** Heading Angle Heading Angle VEHICLE SPECIFICATIONS **VEHICLE I VEHICLE 2** Wheelbase Wheelbase **Overall Length** Overall Length **Overall Width Overall Width** Weight Weight **Engine Displacement Engine Displacement Drive System Drive System** Size Size **Stiffness** Stiffness DAMAGE INFORMATION **VEHICLE 2 VEHICLE I** Damage known? Damage known? Damage Length Damage Length Damage Offset Damage Offset cm Crush Depth: Crush Depth: C1 cm C2 cm cm **C3 C3** cm cm cm cm

National Accident Sampling System-Crashworthiness Data System: SMASH Program Summary

SCENE INFORMATION							
Rest and Impact Positions No 1 Yes							
VEHICLE 1 Rest X 8 . 5 m	VEHICLE 2 Rest X & _ m						
Position Y	Position Y						
PSI -146.	PSI $-\frac{1}{3} \frac{4}{}$.						
Impact X / 4 . 5 m	Impact X/						
Position Y 1 7 m	Position Y <u>/ 3</u> . <u>7</u> m						
PSI $\frac{-90}{}$.	PSI						
Slip Angle (-180 to +180) °	Slip Angle (-180 to +180) °						
VEHICL	E MOTION						
Sustained Contact [X] No [] Yes VEHICLE 1	Sustained Contact [X] No [] Yes VEHICLE 2						
Vehicle Rotation [] No [] Yes Rotation Stop Before Rest [] No [] Yes	Vehicle Rotation [] No [] Yes Rotation Stop Before Rest [] No [] Yes						
End of Rotation X m	End of Rotation X m						
Position Y m	Position Y m						
PSI	PSI ° Curved Path 1 No 1 Yes						
Point on Path X . m Y . m	Point on Path X . m Y . m						
Rotation Direction [] None [] CW] CCW Rotation >360° [] No [] Yes	Rotation Direction [None [CW [CCW Rotation > 360° [] No [] Yes						
FRICTION I	NFORMATION						
Coefficient of Friction Rolling Resistance Option	Iee/snow .35 1						
Vehicle 1 Rolling Resistance	Vehicle 2 Rolling Resistance						
LF <u>{</u> RF <u>{</u>	LF <u>5 0</u> RF <u>3 5</u>						
LR & RR &	LR O 3 RR O 3						
IF THIS COMMON IMPACT WAS WITH A CDS VEHICL	E NOT IN TRANSPORT, FILL IN THE INFORMATION BELOW.						
Model Year:	The Weight, CDC, Scene Data and Damage Information for this vehicle should be recorded above.						
Make:	Complete and ATTACH the appropriate						
Model:	damage sketch and dimensions to the form.						
VIN:							

Summary of Results Using Damage

74195j

Speed Change (Damage)

Vehicle #1 Total

18 km/h (11 mph) Longitudinal Latitudinal -14 km/h (-9 mph) -12 km/h (-7 mph)

40 ° PDOF Angle

Energy Dissipated = 40388 Joules (29785 Ft-Lb)
Barrier Equivalent Speed = 15.9 km/h (9.9 mph)

Calculated using size and stiffness categories.

Vehicle #2

24 km/h (15 mph) -15 km/h (-10 mph) 18 km/h (11 mph) Total Longitudinal Latitudinal -50 ° PDOF Angle

Energy Dissipated = 42950 Joules (31674 Ft-Lb)
Barrier Equivalent Speed = 28.6 km/h (17.8 mph)

Calculated using size and stiffness categories.

General Information

	Vehicle #1	Vehicle #2 1990 Eagle Talon		
Year Make Model	1995 Plymouth Voyager			
CDC Side Damaged PDOF Angle Heading Angle	01FDEW1 F 40 ° -90 °	10LDEW2 L -50 ° 180 °		
Calculation method:	Size and Stiffness	Size and Stiffness		
Size Category Stiffness Category Vehicle Weight	4 7 1645 kgs (3627 lbs)	2 2 1254 kgs (2765 lbs)		

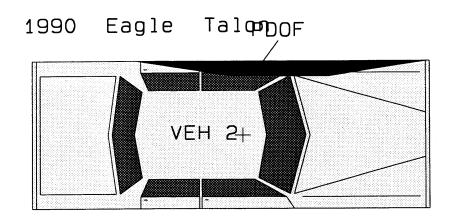


Damage Information

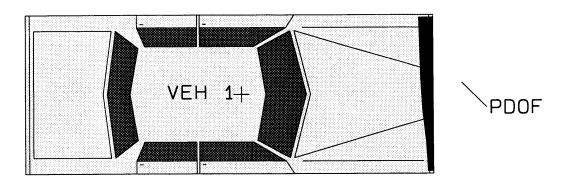
	Vehicle #1 Yes				‡1	Vehicle #2
Vehicle Damage Known						Yes
Crush Length	177.0	cm	(70	in)	320.0 cm (126 in)
C1	16.0	cm	(6	in)	0.0 cm (0 in)
C2	15.0	cm	(6	in)	0.0 cm (0 in)
C3	14.0	cm	(6	in)	0.0 cm (0 in)
C4	12.0	cm	(5	in)	0.0 cm (0 in)
C5	8.0	cm	(3	in)	0.0 cm (0 in)
C6	6.0	cm	(2	in)	0.0 cm (0 in)
D	0.0	cm	(0	in)	17.0 cm (7 in)
D'	-13.2	cm	(-5	in)	17.0 cm (7 in)

Vehicle Dimensions

	Vehicle #1	Vehicle #2		
Length Width Wheelbase Weight CG to Front of Veh Engine Displacement	452.5 cm (178 in) 183.0 cm (72 in) 285.3 cm (112 in) 1645 kgs (3627 lbs) 251.0 cm (99 in) 3.0 liters	438.0 cm (172 in) 168.9 cm (66 in) 246.9 cm (97 in) 1254 kgs (2765 lbs) 211.6 cm (83 in) 2.0 liters		
Moment of Inertia Vehicle Mass	304524 kgs (26954 lbs) 1645 kgs (9.4 lb-s^2/in)	217342 kgs (19237 lbs) 1254 kgs (7.2 lb-s^2/in)		



1995 Plymouth Voyager



74195j , 1997 Ival

```
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00100000001016815
                 0305
74195J00010012 969.0410000000000120F0201L
                   9.04 000000009509442202P4GH
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                                                       177019016014012009009
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000
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74195J02010361
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74195J02010461
                   9.04 0000000007890402120511102
                   9.04 00000000CAR-CAR/ANGLE COLLISION
74195J00000066
74195J00000171
                   9.04 00000000VEHICLE 1 WAS HEADED EAST ON A FIVE LANE DIVII
ED STREET.
           VEHICLE 2 WAS
                   9.04 000000000
74195J00000271
74195J00000371
                   9.04 00000000HEADED NORTH ON A UNDIVIDED TWO WAY STREET.
UE TO CONSTRUCTION, VEHICLE 2
                   9.04 000000000
74195J00000471
                   9.04 00000000WAS TRAVELLING NORTH ON A SOUTHBOUND LANE.
74195J00000571
 VEHICLE 2 ENTERED THE
74195J00000671
                   9.04 000000000
                   9.04 000000000INTERSECTION, IT WAS STRUCK ON THE LEFT SIDE !
74195J00000771
Y THE FRONT OF VEHICLE 1.
74195J00000871
                   9.04 000000000
                   9.04 00000000BOTH VEHICLES WERE HEADED NORTH AFTER THE ACC
74195J00000971
```

THE DRIVER OF VEHICLE 2 AND TI

E PASSENGER OF VEHICLE 1 WERE 74195J00001271 9.04 000000000 ----

9.04 000000000

9.04 00000000DUE TO DAMAGE.

BOTH VEHICLES WERE TOWED

74195J00001071

74195J00001171

74195J00001371 9.04 00000000INJURED IN THE ACCIDENT. A CHILD IN THE PASSE NGER SEAT OF VEHICLE 1 RECEIVED 9.04 000000000 74195J00001471 9.04 000000000SERIOUS INJURIES FROM THE AIRBAG. 74195J00001571 74195J00000181 9.04 0000000001 VAN 95/PLY/VOYAGER FRONT NONE MINOR 74195J00000281 9.04 000000000 74195J00000381 9.04 0000000002 SUB COMPACT 90/EAGLE/TALON LEFT NONE MINOR DRIVER L. FRONT AIRBAG ARM F 74195J00000191 9.04 0000000001 2 LEFT A PILLAR RACTURE 9.04 000000000 74195J00000291 74195J00000391 9.04 0000000001 PASS. R. FRONT AIRBAG SPINE \mathbf{D} ISLOCATION 6 AIR BAG 74195J00000491 9.04 000000000

DRIVER

L. FRONT

L & S

SCALP

C

OCCUPANT INJURY Vehicle: 1 Occupant: 2

9.04 0000000002

11 INTRA ERRORS

74195J00000591

OTT0541 2 ***** THIS IS A SPECIAL INTEREST CASE FOR NHTSA TT0542 ***** THIS CASE SHOWS A RESTRAINT AS THE INJURY SOURCE ****** TT0543 FOR AN AIS-2 (OR GREATER) INJURY. ***** ***** CHECK FOR ACCURATE AND COMPLETED DOCUMENTS & DATA ***** TT0544 ***** IF GREATER THAN AIS-2, CALL TT0545 INJURY SOURCE 0112(n) equals 152-154. 162 or 170-195 and A.I.S. TT0546 TT0547 SEVERITY DI10(n) equals 2-6.

O DCCUPANT ASSESSMENT Vehicle: 2 Occupant: 1 11 INTRA ERRORS

OHH1091 2 If TREATMENT OA62 equals 0, 4 or 5, then WORKING DAYS LOST OA65 HH1092 should equal 00, 01, 97 or 99.

011 INTER ERRORS

- OETOO11 2 If TYPE OF STRUCTURE OIO7(n) equals 9 and SPECIFIC STRUCTURE ETOO12 OIO8(n) equals 20, then FIRE OCCURRENCE EV33 should not equal 0. ETOO13 GV=01 DA=02 OI=02
- HT0081 2 If TREATMENT OA62 does not equal 1 or 2, then no A.I.S. SEVERITY HT0082 OI10(n) should equal 6. GV=01 OA=02
- HT0091 2 If HOSPITAL STAY DA64 equals 06-61, then an A.I.S. SEVERITY HT0092 DI10(n) should equal 2-5. GV=01 DA=02

01

FORM NAME	NUMBER OF DOLLAR SIGNS	NUMBER OF LEVEL 1 ERRORS	NUMBER OF LEVEL 2 ERRORS	VERSION NUMBER CONSISTENT
Accident	0	0	O	Y
General Vehicle	0	0	0	Υ
Vehicle Exterior	0	0	0	Υ
Vehicle Interior	0	0	0	Υ
Occupant Assessment	t O	O	1	Υ
Occupant Injury	0	O	1	Υ
Total Inter Errors		0	3	
Total Case Errors	o	o	5	

SLIDE INDEX

Primary Sampling Unit Number7_4 Case Number — Stratum1 _9 _5 _J				
Slide No.	Vehicle No.	Direction of Picture	Description of Slide Subject Matter	
1-6	11	East	Approach of vehicle 1	
_7	1	West	Looking back from final rest	
8	1	West	Looking back on approach	
9-13	2	North	Approach of vehicle 2	
14	2	South	Looking back from final rest	
_15	2	South	Looking back on approach	
16-38	1		Exterior of vehicle 1	
39-60	1		Interior of VI showing the contact points from the driver to steering column, and dash.	
61-92	1		Interior of vl showing the contact points from the passenger to windshield, header and dash.	
93-101	1		Interior of vl showing damage to airbag flap and A Piller	
102-122	1		Interior of VI	
123-144	2		Exterior of vehicle 2	
145-159	2		Interior of vehicle 2	



















































































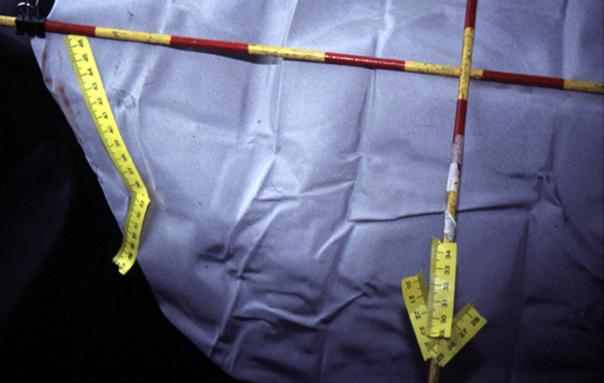










































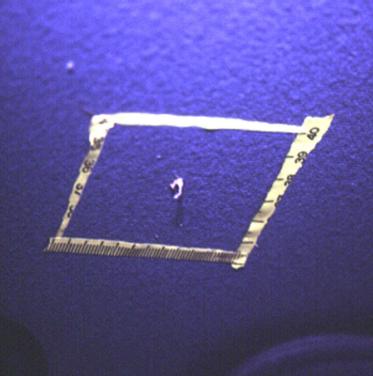










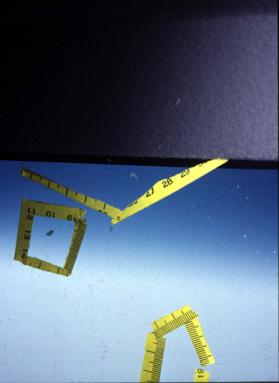




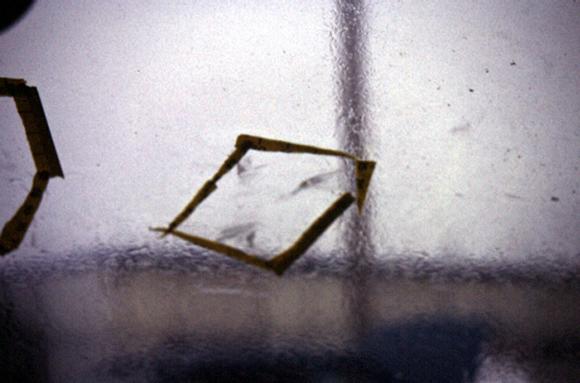


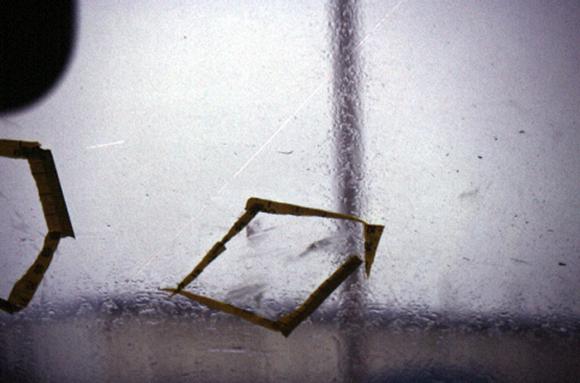


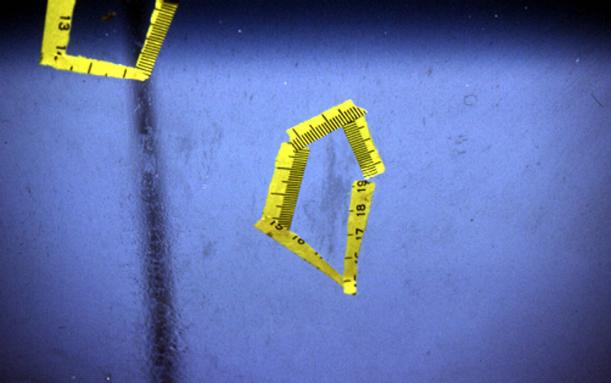
















































































































































































SLIDE INDEX

Administration		it Norther 7	CRASHWORTHINESS DATA SYSTE
Slide	Vehicle	nit Number <u>7</u> Direction	Case Number—Stratum 195J Description of Slide Subject Matter
No.	No.	of Picture	
1-4			Exterior views of 1995 Plymouth Voyager
			Views at Accident Scene with vehicle at final
			rest position.
5			Interior view of Voyager at accident scene.
6-10			Exterior views of 1990 Eagle Talon at accident
		W-1	scene with vehicle in final rest position.
11-13		N	Views looking North toward the accident location
14 10	•		with vehicles at final rest.
14-19		S	Views looking South toward the accident location
			with vehicles at final rest.
20		SW	View looking Southwest with vehicles at final res
21		SW	View looking Southwest illustrating debris after
			vehicles had been removed.
22		S	View looking South showing barricades/barrels
			that closed the normal Northbound lanes.
			•















